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9:12 am, Nov 30, 2009

Alameda County
Environmental Health

November 25, 2009
Delta Project No. SCA6750S1A
SAP No. 135786

Mr. Jerry Wickham, PG, CHG
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6540

Re: Request for Case Closure
Shell-Branded Service Station
6750 Santa Rita Road
Pleasanton, California
Case No. RO0002522

DELTA

Dear Mr. Wickham:

On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *Request for Case Closure* for the referenced site.

Delta requests closure for the subject site based on current site conditions and the following criteria:

- Residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site have been laterally and vertically delineated; concentrations are limited in extent and steadily decreasing.
- Residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site do not pose a significant risk to human health or the environment based on the current use of the site and local groundwater resources.

Provided below is site background information and an evaluation of the historical data. The Alameda County Environmental Health (ACEH) Case Closure Summary form is presented as Appendix A.

SITE DESCRIPTION

The site is an active Shell-branded service station located on the southeast corner at the intersection of Santa Rita Road and Pimlico Drive in a mixed commercial and residential area of Pleasanton, California (Figure 1). The station facilities consist of a small convenience store, a car wash, a storage/restroom building, four underground storage tanks (USTs) and ten fuel dispensers (Figure 2).

PREVIOUS INVESTIGATIONS

A summary of previous investigations at the site is provided in tabular form below. The locations of all previous borings, wells, and sample locations are shown on Figure 2.

Summary					
Date	**Activity**	**No. of Borings / Samples**	**Report Date**	**Consultant**	**Comments**
October 2002	Site Investigation associated with Shell Groundwater Assessment Program (GRASP*)	Installed four groundwater monitoring wells (MW-1 through MW-4)	2/7/2003	KHM Environmental Management, Inc. (KHM)	No petroleum hydrocarbons or fuel oxygenates were detected in the soil.
November 2002	Site Upgrades – UST, piping and dispenser replacement	Collected 36 samples from beneath the former USTs, dispensers and piping [T-1DP, T-1DF, T-2P thru T-4P, T-2F thru T-4F, D-1 thru D-10, P-1 thru P-16, T-2P-W & TP-W]	12/19/2002	KHM	A crack was observed in UST T-3 from hoisting out of pit. Approximately 17,000 gallons of water were pumped out of the UST pit and disposed of at Shell's Martinez refinery. Maximum concentrations in soil and groundwater: TPPH: 10 mg/kg (D-2@5') & 9,300 µg/L (TP-W) TEPH: 18 mg/kg (P-11@5.5') & 55,000 µg/L (T-2P-W) MTBE: 2.5 mg/kg (T-2P & T-3P @14') & 11,000 µg/L (T-2P-W) TBA: 6.1 mg/kg (T-2P@14')
January 2003	Underground Storage Tank Unauthorized Release Report	Sampled the 4 new monitoring wells	1/6/2003 – 1/16/03	KHM	Maximum groundwater concentrations in new wells TEPH – 120 µg/L (MW-2) MTBE – 8,000 µg/L (MW-3) TBA – 1,500 µg/L (MW-3)
May 2003 to October 2005	Periodic Batch Extraction	Extracted groundwater from wells MW-1 thru MW-3 using a submersible pump	Various	Delta	A total of 10,187gallons of water were pumped from the wells, and approximately 0.121 lbs TPPH and 0.292 lbs MTBE were removed.
December 2003	Cone Penetration Test (CPT) Borings	Advanced 3 CPT Borings (CPT-1 through CPT-3)	3/3/2004	Delta	Maximum groundwater concentrations: TEPH – 300 µg/L (CPT-1@70') MTBE – 18 µg/L (CPT-3@46'). All other constituents were below the laboratory reporting limits.

Summary (cont.)					
Date	**Activity**	**No. of Borings / Samples**	**Report Date**	**Consultant**	**Comments**
January 2005	Offsite Well Installation	One (MW-5)	Various	Delta	Soil samples were not submitted for laboratory analysis.
November and December 2005	Well Installation	Drilled 11 exploratory borings (B-1 thru B-11) and installed two off-site wells (MW-6 & MW-7)	1/18/2006	Delta	Maximum concentrations in soil and grab groundwater: TEPH: 320 mg/kg (B-10@10') MTBE: 0.27 mg/kg (B-4@35' & B-11@35') and 140 µg/L (B-7) TBA: 0.39 mg/kg (B-11@45') and 12 µg/L (B-7)
December 2002 to Present	Quarterly Groundwater Monitoring	Sample and gauge wells MW-1 through MW-7	Various	Delta	Changed to semi-annual monitoring and sampling in 2009
March 2006 to June 2006	Operation of a temporary GWE System	System connected to Well MW-2	11/15/2006	Delta	A total of 38,950 gallons of water were pumped from Well MW-2 at a rate of about 0.5 gpm; a total of 0.069 lbs TPPH and 0.063 lbs MTBE were removed.

NOTES:

TPPH = Total purgeable petroleum hydrocarbons as gasoline
TEPH = Total extractable petroleum hydrocarbons as diesel
MTBE = Methyl tert-butyl ether
TBA = Tert-butyl alcohol
mg/kg = milligrams per kilogram
µg/L = micrograms per liter
lbs = pounds
GWE = Groundwater Extraction
gpm = gallons per minute

*GRASP (Groundwater Assessment Program) is a voluntary initiative by Shell to install and maintain groundwater monitoring wells at numerous retail service stations nationwide that do not have active release cases but have been identified as being within close proximity to one or more public water supply wells. The purpose of this program is to proactively monitor the groundwater beneath these sites and, in the event of a subsurface release, respond quickly to protect public wells from impact.

REGIONAL GEOLOGY AND HYDROGEOLOGY

The site is located within the northwestern portion of the Livermore Valley on what is mapped as Younger Fluvial Deposits (Qyfo); these deposits are described as mainly unconsolidated fine-grained sand, silt, and silty clay. The Qyfo deposits grade south of the site into inter-fluvial basin deposits (Qb) that are described as poorly sorted, organic-rich clays. A geologic map of the valley from the California Department of Water Resources Bulletin 118-2 is included as Appendix B.

The site lies on the southern edge of the Camp Subbasin within the Livermore Valley Groundwater Basin. The Camp Subbasin is bounded on the north by the Tassajara Formation, on the west by the Pleasanton Fault and on the east by the Mocho Fault. Groundwater flows parallel to the two faults. The overall permeability of the Tassajara Formation is reduced by the presence of clay in the coarser-grained beds. Groundwater does not flow from the Tassajara Formation to the Camp Subbasin due to a lack of hydraulic continuity between the Tassajara Formation and the overlying water-bearing units. Groundwater in the Camp Subbasin is approximately 25 feet below ground surface (bgs) in the vicinity of the site, and has a potentiometric surface that

slopes to the southeast, towards the central portion of the Livermore Valley. A map and cross-section of the Camp subbasin are included in Appendix B.

LOCAL GEOLOGY AND HYDROGEOLOGY

Based on data from the exploratory soil borings and three cone penetration test (CPT) borings, the site area is primarily underlain by clays and silts to a depth of approximately 40 feet bgs. Two separate medium-grained clayey sand layers are commonly encountered within the surficial fine-grained soils at depths between 22 and 28 feet bgs, and 30 and 33 feet bgs. Clayey sand to coarse-grained sand is encountered between approximately 38 and 53 feet bgs in most site area borings, and is underlain by silty and clayey soils to a depth of at least 100 feet bgs. Historical boring logs and cross-sections are presented as Appendix C.

In the UST excavation, groundwater appeared to be perched at 12 to 13 feet bgs. In the CPT borings, groundwater was collected from sandy intervals at depths ranging from 46 to 103 feet bgs. The primary shallow water-bearing zone is generally encountered at approximately 25 to 30 feet bgs. During the most recent monitoring and sampling event in October 2009 groundwater levels ranged from 24 to 26 feet bgs. The direction of groundwater flow beneath the subject site is predominantly to the south-southeast at an average gradient of approximately 0.03 feet per foot (ft/ft). A groundwater elevation contour map with data from the most recent monitoring and sampling event and a rose diagram are presented on Figure 3.

CHARACTERIZATION

The primary chemicals of concern (COC) currently at the subject site are total purgeable petroleum hydrocarbons (TPPH) as gasoline[1] and methyl tert-butyl ether (MTBE). The Regional Water Quality Control Board (RWQCB) San Francisco Bay Region has established environmental screening levels (ESLs) for the purpose of evaluating cleanup efforts at sites with environmental concerns. Although not official clean-up goals, these criteria will be used for reference in describing and evaluating current site conditions.

Groundwater Delineation

Historical groundwater data are summarized in Tables 1 and 2. A map showing the distribution of petroleum hydrocarbons in groundwater during the most recent monitoring and sampling event is included on Figure 4. The COC in groundwater are delineated laterally by the site wells and vertically by the CPT borings; residual impacts to groundwater are primarily onsite within the shallow water-bearing zone. Concentrations of the COC are currently highest in the areas of Well MW-2, located adjacent to the UST complex, and Well MW-3, located directly down-gradient of the UST complex in the predominant direction of groundwater flow. In the locations of CPT-1 and CPT-3, concentrations of total extractable petroleum hydrocarbons (TEPH) as diesel[2] were reported in the deeper water-bearing zones (greater than 56 feet bgs); however, the laboratory reported that the chromatograms did not match the standard for diesel. Concentrations of TPPH and MTBE were not detected in any of the samples from the deeper water-bearing zones. Hydrographs illustrating the changes in TPPH and MTBE concentrations over time in wells MW-2 and MW-3 are presented as Graphs 1 and 2.

Groundwater monitoring and sampling has occurred at the site since December 2002; overall, concentrations of the COC have decreased in groundwater beneath the site. During the most recent monitoring and sampling event, TPPH was only detected in Well MW-2 at a concentration of 130 micrograms per liter (µg/L), which is just above the ESL. MTBE was detected above the ESL in wells MW-1 through MW-5 at concentrations ranging from 5.2 µg/L (MW-1) to 190 µg/L (MW-2). ESLs referenced above are for commercial land use

[1] Gasoline has been referenced historically as TPPH, TPH-g and GRO and may have slight variations in carbon ranges
[2] Diesel has been referenced historically as TEPH, TPH-d and DRO, and may have slight variations in carbon ranges

where groundwater is a potential source of drinking water. The TPPH and MTBE concentrations reported do not exceed the ESLs for areas where groundwater is not a potential source of drinking water.

Soil Delineation

Historical soil analytical data are summarized in Table 3. Based on the historical data, residual petroleum hydrocarbons in soil beneath the subject site are negligible. During the initial October 2002 site investigation, no petroleum hydrocarbons or fuel oxygenates were detected in soil collected from the well borings. Subsequent investigations reported minor residual impacts to soil in the vicinity of the UST complex and the western fuel dispenser island. TEPH, MTBE and tert-butyl alcohol (TBA) are the only petroleum hydrocarbon constituents to be detected in soil at concentrations above the ESLs for commercial land use where the aquifer is a potential source of drinking water. For areas where the aquifer is not a potential source of drinking water, only TEPH was detected at a concentration above the ESL (320 milligrams per kilogram [mg/kg] in boring B-10 at 10 feet bgs, near the western product island). San Francisco Bay RWQCB guidance indicates the reported TEPH concentration could be a risk to groundwater due to leaching; however, TEPH was not detected in grab groundwater collected from boring B-10.

Remediation Effectiveness

Monthly batch extractions from wells MW-2 and MW-3 were initiated during third quarter 2003, and continued through the fourth quarter 2003. Over the course of six months, MTBE concentrations in well MW-3 were lowered from a historic high of 15,000 µg/L to 9,800 µg/L; however, on average, less than 40 gallons of water could be extracted from each well during a two-hour period. As a result, monthly groundwater batch extractions were discontinued during first quarter 2004.

Due to increasing MTBE concentrations in groundwater during first and second quarter 2004, an extended groundwater batch extraction event was initiated during third quarter 2004 utilizing wells MW-1, MW-2 and MW-3. Approximately 4,705 gallons of groundwater were extracted during a six-week period, and an overall decrease in concentrations was observed in site wells during the extraction activities indicating the successful mass removal of fuel oxygenates.

Additional increases in MTBE concentrations during fourth quarter 2004, prompted the initiation a of second extended groundwater batch extraction event during first quarter 2005 utilizing well MW-2. Approximately 2,950 gallons of groundwater were extracted during a two week period, and the concentration of MTBE in well MW-2 decreased from 5,200 µg/L to 1,300 µg/L. During fourth quarter 2005, a third extended groundwater batch extraction event was performed utilizing well MW-2. Approximately 1,118 gallons of groundwater were extracted during the 10-day period, and the concentration of MTBE decreased from 2,600 µg/L to 1,300 µg/L. The calculated mass extracted during this event was 0.011 pound.

Additional extended groundwater batch extraction events had been proposed to mitigate MTBE concentrations; however, following the fourth quarter 2005 event the strategy was changed and a temporary groundwater extraction system was installed and operated for about four months. Combined, the remediation methods resulted in the extraction of approximately 49,137 gallons of groundwater and the removal of approximately 0.36 pound of MTBE. Concentrations of MTBE in well MW-2 decreased to a low of 180 µg/L. Historic remediation system information is provided as Appendix D.

SENSITIVE RECEPTORS

Using available State and City resources, surveys were performed in 2003 and 2005 to identify the sensitive receptors nearest the site. No sensitive receptors were identified within 1,000 feet of the site during either survey. In 2003, the closest water-supply well identified was a private well (3S/1E5R1) located approximately

2,200 feet west-southwest of the site. According to Mr. Wyman Hong of the Zone 7 Water Resources Management District (Zone 7), the private well was destroyed on June 7, 2004.

The next closest water supply well is a municipal drinking water well located approximately 3000 feet south-east of the site. The well is identified as Stoneridge Well 01 (3S/1E9B1), and according to Mr. Hong the depth to the top of the first well screen is 250 feet bgs. The closest surface water body is an unlined Zone 7 flood channel located approximately 1,700 feet east-southeast of the site. Tassajara Creek is located approximately 2,022 feet the west-southwest of the site. Sensitive Receptor data is included as Appendix E.

RISK EVALUATION

A formal risk assessment has not been performed for the subject site. A general evaluation suggests that the site conditions do not pose a significant risk to human health or the environment. According to the San Francisco Bay RWQCB guidance, the TEPH, MTBE, and TBA concentrations detected in soil above the ESLs would not pose a risk to human health due to direct contact (dermal or ingestion) or vapor intrusion. The primary risk pathway of concern would be leaching into groundwater, which has been sufficiently monitored by site wells. In addition, only a single concentration of TEPH exceeded the ESL for commercial land use where the aquifer is not a potential source of drinking water, which is the more appropriate standard for the current use of the site and local resources. The referenced concentration of TEPH was detected in soil from boring B-10 near the western product island, and water samples from the boring and nearby wells indicate the TEPH is not significantly impacting groundwater.

Although concentrations of the COC in groundwater exceed the ESLs, there is minimal risk associated with the residual impacts. San Francisco Bay RWQCB guidance indicates that the residual concentrations would primarily pose a risk to gross contamination (nuisance or aesthetic concerns such as odor) and sensitive receptors. The site is currently an active service station that is completely paved over, so residual impacts are unlikely to result in gross contamination issues. No sensitive receptors have been identified within 1,000 feet of the site, and the clay deposits in the subsurface are inhibiting lateral and vertical migration of impacted groundwater.

REQUEST FOR LETTER OF NO FUTHER ACTION

Shell requests that the ACEH and the RWQCB close the case for this site and issue a letter requiring no further action. This request is based on the following:

Residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site are fully delineated and limited in extent.

- The minor residual impacts to soil are predominantly in the vicinity of the UST complex and the western fuel dispenser island. TEPH, MTBE and TBA are the only petroleum hydrocarbon constituents detected in soil at concentrations above the ESLs for commercial land use where the aquifer is a potential source of drinking water. Only a single instance of TEPH exceeded the ESL for commercial land use where the aquifer is not a potential source of drinking water, which is the more appropriate standard for the current use of local resources. According to the San Francisco Bay RWQCB guidance the primary pathway at risk due to the residual soil impacts would be leaching into groundwater, which has been effectively monitored by site wells and grab groundwater samples.

- Groundwater monitoring and sampling has occurred at the site since December 2002. Concentrations of the COC are currently highest in the areas of Well MW-2, located adjacent to the UST complex, and well MW-3, located directly down-gradient of the UST complex in the predominant direction of groundwater flow. The hydrographs show clear decreases in TPPH and MTBE concentrations over

time in these wells. During the most recent monitoring and sampling event, TPPH was only detected in well MW-2 at a concentration of 130 µg/L, and MTBE was detected in wells MW-1 through MW-5 at concentrations ranging from 5.2 µg/L (MW-1) to 190 µg/L (MW-2); these concentrations do not exceed the ESLs for commercial land use where groundwater is not a potential source of drinking water. Concentrations of TPPH and MTBE were not detected in any of the samples collected from the deeper water-bearing zones (greater than 56 feet bgs) in borings CPT-1 through CPT-3. Although TEPH concentrations were reported in the deeper water-bearing zones, the laboratory reported that the chromatograms did not match the diesel standard.

Residual petroleum hydrocarbons in soil and groundwater beneath the subject site do not pose a threat to human health or the environment.

- According to San Francisco Bay RWQCB guidance, reported concentrations of TPPH, TEPH, MTBE, and TBA in soil and groundwater would not pose a risk to human health due to direct contact (dermal or ingestion) or vapor intrusion. The guidance indicates that the soil impacts would pose the greatest risk to groundwater due to leaching, and the groundwater impacts would pose the greatest risk to gross contamination issues and sensitive receptors. The site is currently a completely paved service station, and the clay deposits in the subsurface are inhibiting lateral and vertical migration of residual petroleum hydrocarbons. No sensitive receptors have been identified within 1,000 feet of the site, and the shallow water-bearing zone is not currently used as a drinking water resource.

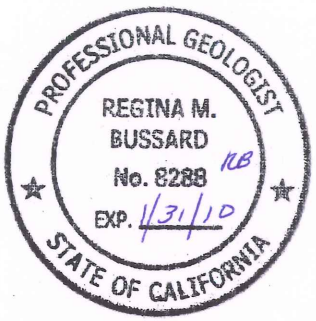
Upon receipt of a case closure letter, Delta will proceed with destroying the site wells.

REMARKS

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have any questions regarding this site, please contact Ms. Regina Bussard (Delta) at (408) 826-1876 or Mr. Denis Brown (Shell) at (707) 865-0251.

Sincerely,
Delta Consultants, Inc.



Cora Olson
Staff Engineer

Regina Bussard
Project Manager, P.G

cc: Mr. Denis Brown, Shell Oil Products US
Ms. Beverly Howell, GS Management (property owner rep), Pleasanton

Attachments:

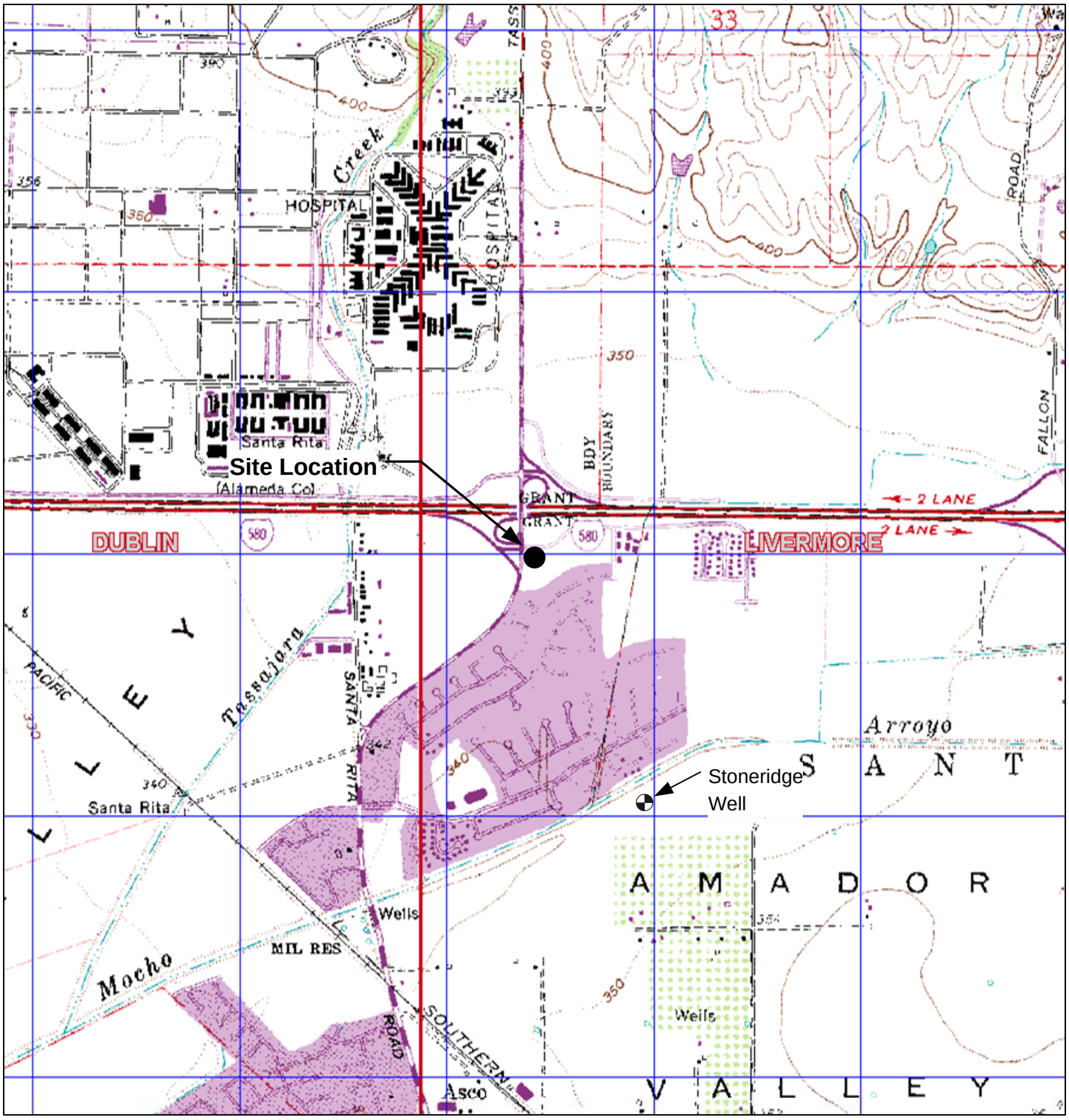
Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Elevation Contour Map, October 6, 2009
Figure 4 – Groundwater Hydrocarbon Distribution Map, October 6, 2009

Graph 1 – TPPH and MTBE Concentrations in Well MW-2 vs. Time
Graph 2 – TPPH and MTBE Concentrations in Well MW-3 vs. Time

Table 1 – Well Concentrations
Table 2 – Historical Grab Groundwater Data
Table 3 – Historical Soil Data

Appendix A – Case Closure Summary
Appendix B – Regional Geologic and Hydrogeologic Data
Appendix C – Boring Logs and Cross-Sections
Appendix D – Historical Remediation System Data
Appendix E – Sensitive Receptor Data

FIGURES



GENERAL NOTES:
Base Map from: DeLorme Yarmouth, ME 04096
Source Data: USGS

North

QUADRANGLE LOCATION

0 1,800 3,600

Scale, Feet

FIGURE 1

SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION

6750 Santa Rita Road
Pleasanton, California

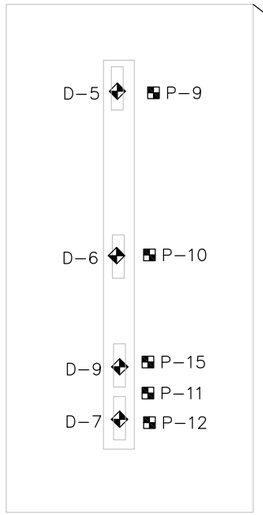
PROJECT NO. SCA6750S1A	DRAWN BY VF 12/04/03
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

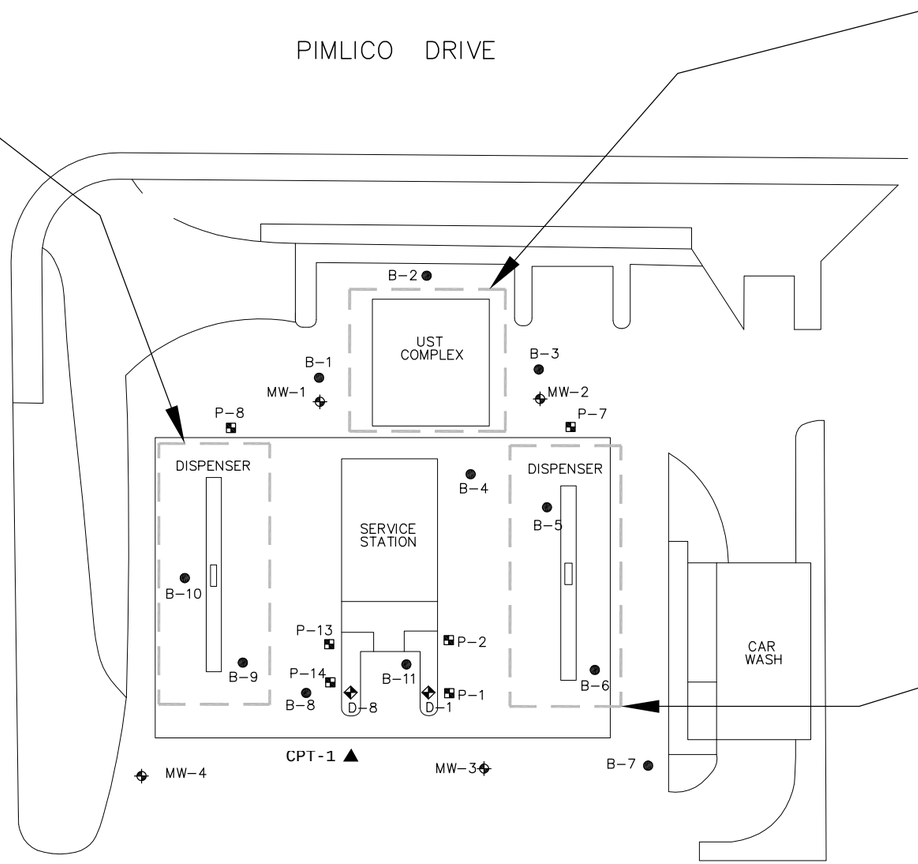
DELTA CONSULTANTS

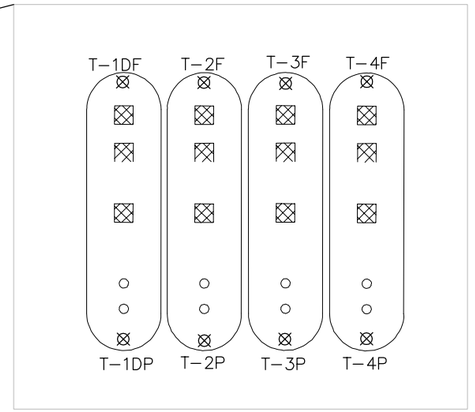
PROJECT NUMBER SCA6750S1A
APPROVED BY
CHECKED BY
DRAWN BY AD 11/12/2009

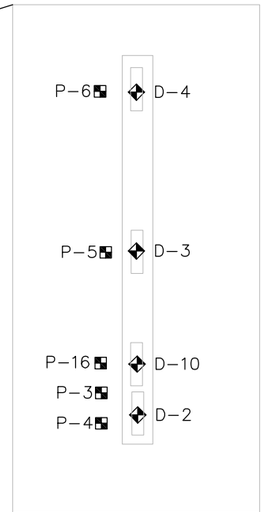
PIMLICO DRIVE

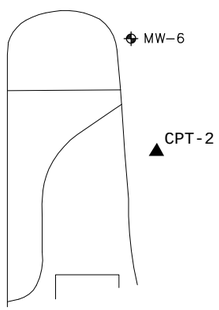
SANTA RITA ROAD

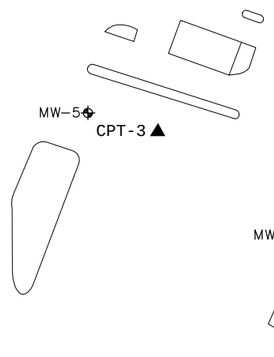


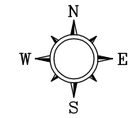












LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
T-1DF	TANK PIT SAMPLE LOCATION AND DESIGNATION (SAMPLED NOVEMBER, 2002)
B-1	SOIL BORING SAMPLE LOCATION AND DESIGNATION (SAMPLED NOVEMBER, 2005)
D-1	DISPENSER SAMPLE LOCATION AND DESIGNATION (SAMPLED NOVEMBER, 2002)
P-1	PIPING TRENCH SAMPLE LOCATION AND DESIGNATION (SAMPLED NOVEMBER, 2002)
CPT-1	CONE PENETRATION TEST SAMPLE LOCATION AND DESIGNATION (SAMPLED DECEMBER 2003)

0 20 40
SCALE IN FEET

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2

SITE MAP

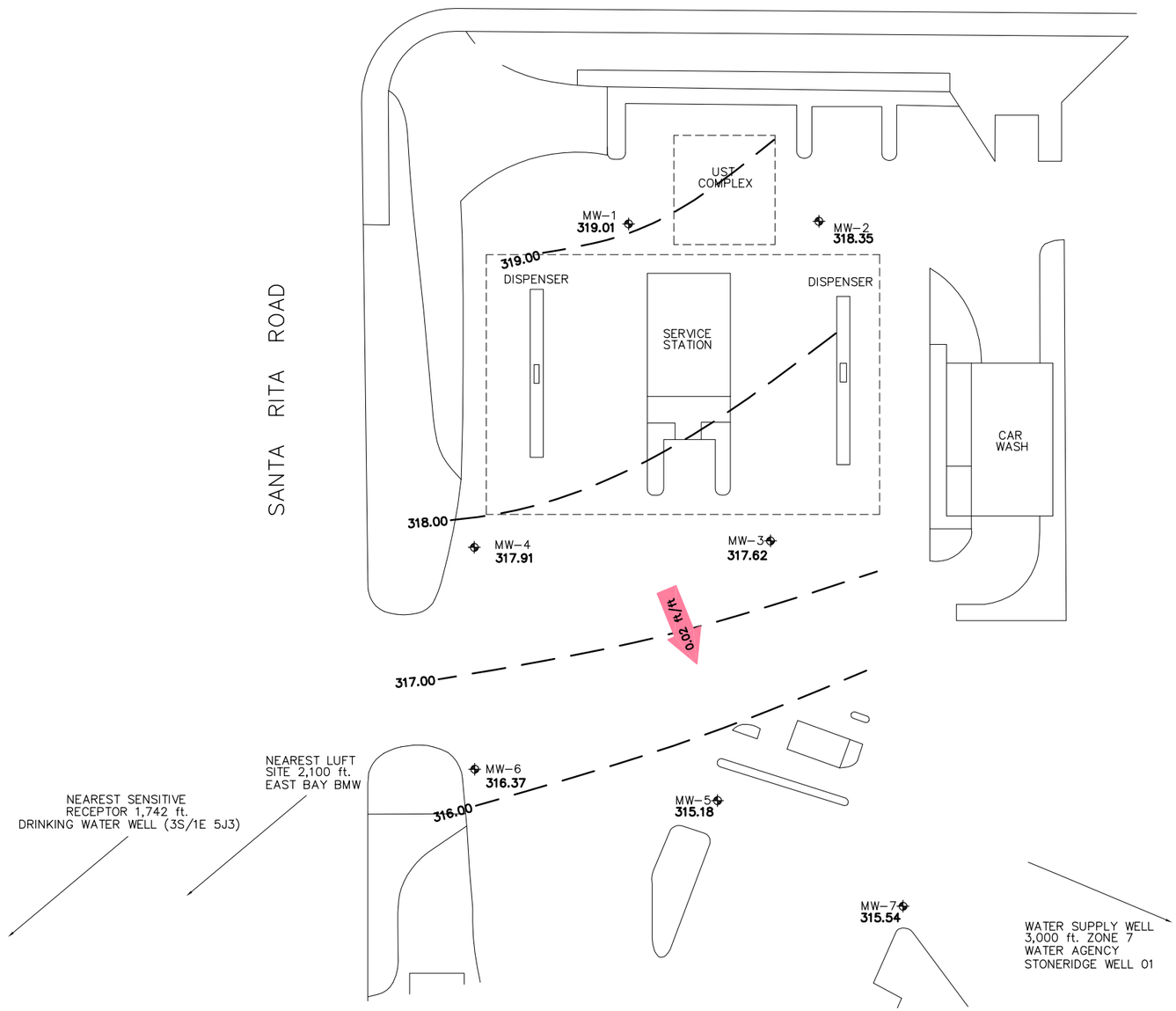
6750 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA6750S1A

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 11/24/2009



0 20 40 SCALE IN FEET

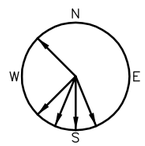
N W E S

LEGEND

MW-1 ◆	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
324.08	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
319.00 — — —	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=1.00 FEET
0.02 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
*	ANOMALOUS DATA NOT USED IN CONTOURING

HISTORIC GROUNDWATER FLOW DIRECTIONS

DATE	FLOW DIRECTION
1/6/2004	SE
4/6/2004	NW
7/30/2004	SE
10/7/2004	SSE
1/26/2005	SSE
4/14/2005	SSE
7/29/2005	S
10/20/2005	SSE
1/27/2006	SW
4/20/2006	SE
7/12/2006	SSE
10/20/2006	SSE
1/22/2007	SSE
4/11/2007	SSE
7/5/2007	SSE
10/26/2007	SSE
1/22/2008	SSW
4/11/2008	SSW
7/2/2008	SSE
10/27/2008	SSE
1/8/2009	SSE
4/22/2009	S
10/6/2009	SSE



DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
10/6/2009
6750 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA6750S1A

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 11/24/2009

PIMLICO DRIVE

SANTA RITA ROAD

MW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	**5.2**	ND<10

MW-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	**130**	ND<1.0	**190**	ND<20

MW-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<1.0	**61**	ND<10

MW-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	**34**	ND<10

MW-5				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	**24**	ND<10

MW-6				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-7				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	ND<1.0	ND<10

UST COMPLEX

SERVICE STATION

DISPENSER

DISPENSER

CAR WASH

MW-1

MW-2

MW-3

MW-4

MW-5

MW-6

MW-7

0.02 ft/ft

NEAREST LUFT SITE 2,100 ft. EAST BAY BMW

NEAREST SENSITIVE RECEPTOR 1,742 ft. DRINKING WATER WELL (3S/1E 5J3)

WATER SUPPLY WELL 3,000 ft. ZONE 7 WATER AGENCY STONERIDGE WELL 01

N

W E

S

LEGEND

MW-1 ◆	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TPH-g	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERT-BUTYL ETHER
TBA	TERT-BUTYL ALCOHOL
µg/L	MICROGRAMS PER LITER
ND<	NOT DETECTED ABOVE LIMIT NOTED
0.02 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

0 20 40 SCALE IN FEET

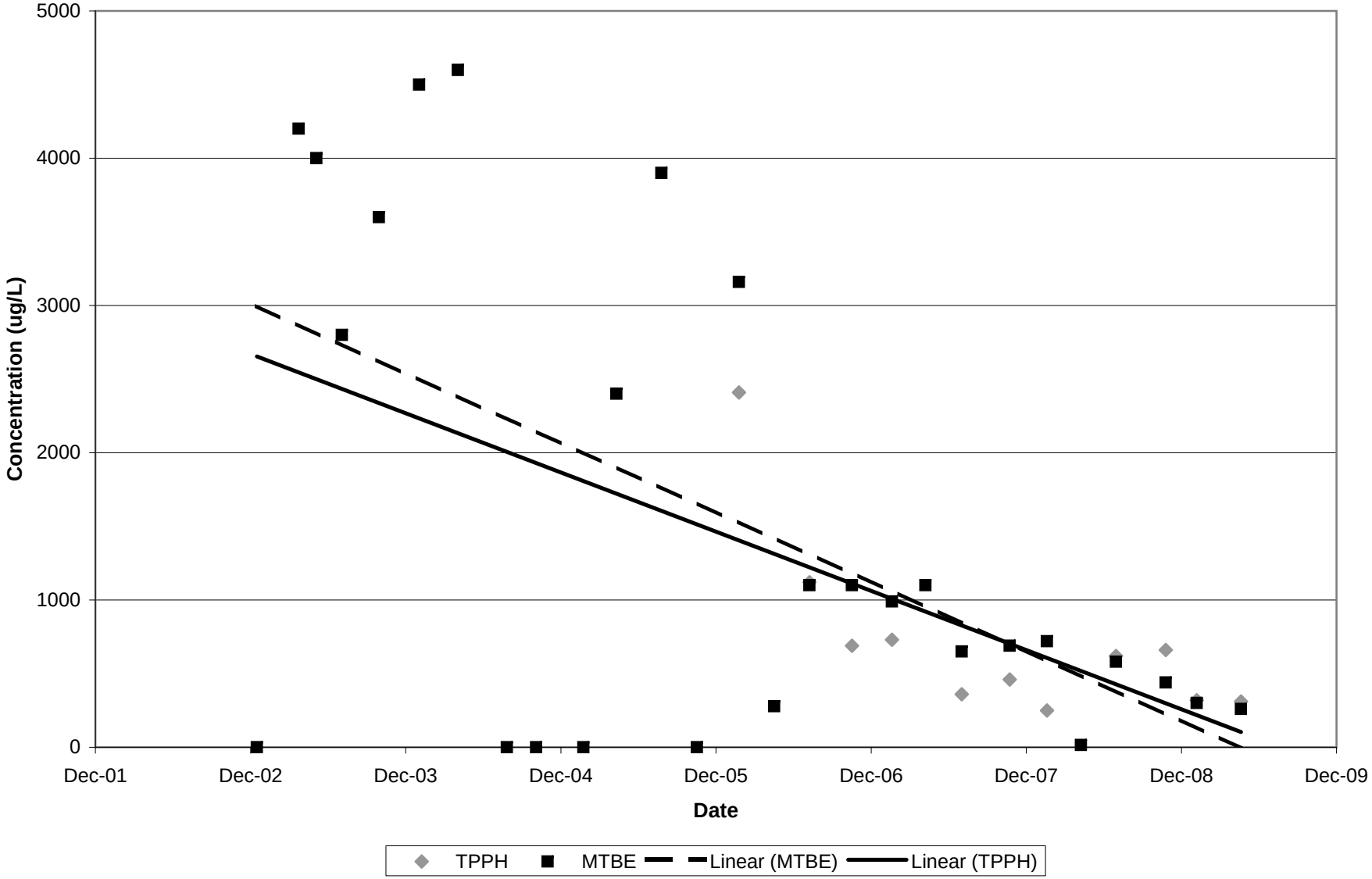
DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

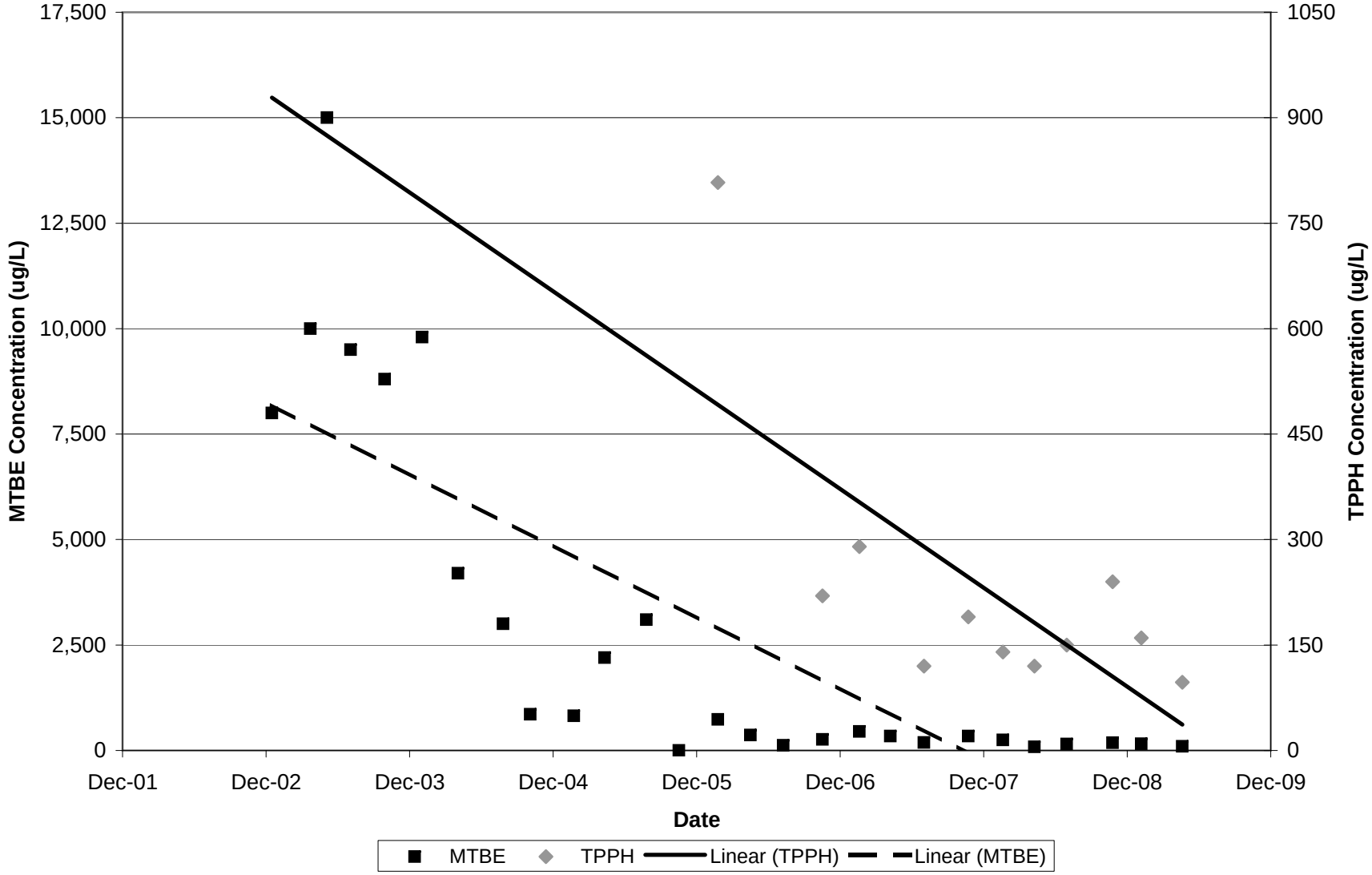
FIGURE 4
HYDROCARBON DISTRIBUTION IN GROUNDWATER MAP
10/6/2009
6750 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

GRAPHS

GRAPH 1
TPPH AND MTBE CONCENTRATIONS IN WELL MW-2 vs. TIME
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA



GRAPH 2
TPPH AND MTBE CONCENTRATIONS IN WELL MW-3 vs. TIME
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA



TABLES

TABLE 1
HISTORICAL WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.75	NA
MW-1	12/20/2002	<50	81	<0.50	<0.50	<0.50	<0.50	62	<2.0	<2.0	<2.0	<50	NA	NA	NA	31.93	NA
MW-1	3/28/2003	<50	70	<0.50	<0.50	<0.50	<1.0	130	<2.0	<2.0	<2.0	43	NA	NA	343.48	31.59	311.89
MW-1	5/9/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	280	<10	<10	<10	200	NA	NA	343.48	31.10	312.38
MW-1	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.65	311.83
MW-1	7/8/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	160	<10	<10	<10	170	NA	NA	343.48	30.90	312.58
MW-1	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.53	311.95
MW-1	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.95	313.53
MW-1	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.99	313.49
MW-1	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	30.02	313.46
MW-1	10/3/2003	<500	NA	<5.0	<5.0	<5.0	<10	810	<20	<20	<20	540	NA	NA	343.48	29.89	313.59
MW-1	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.38	312.10
MW-1	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.71	313.77
MW-1	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.72	313.76
MW-1	1/6/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	400	<10	<10	<10	280	NA	NA	343.48	29.16	314.32
MW-1	4/6/2004	<1,300	NA	<13	<13	<13	<25	3,300	NA	NA	NA	3,500	NA	NA	343.48	31.38	312.10
MW-1	7/30/2004	<1,300	NA	<13	<13	<13	<25	1,000	NA	NA	NA	600	NA	NA	343.48	28.51	314.97
MW-1	10/7/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	530	NA	NA	NA	390	NA	NA	343.48	28.55	314.93
MW-1	1/26/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	320	<10	<10	<10	130	NA	NA	343.48	27.35	316.13
MW-1	4/14/2005	<150	NA	<1.5	<1.5	<1.5	<1.5	720	NA	NA	NA	260	NA	NA	343.48	26.70	316.78
MW-1	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	270	NA	NA	NA	150	NA	NA	343.48	26.33	317.15
MW-1	10/20/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	39	NA	NA	NA	<25	NA	NA	343.48	27.12	316.36
MW-1	1/27/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	30.1	NA	NA	NA	<10.0	NA	NA	343.48	25.25	318.23
MW-1	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	16.9	NA	NA	NA	12.4	NA	NA	343.48	21.37	322.11
MW-1	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	22.5	NA	NA	NA	<10.0	NA	NA	343.48	22.35	321.13
MW-1	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	1.7	NA	NA	NA	<5.0	NA	NA	343.48	22.67	320.81
MW-1	1/22/2007	<50 d,f	NA	<0.50 d,f	<0.50 d,f	<0.50 d,f	<0.50 d,f	17 d,f	<0.50 d,f	<0.50 d,f	<0.50 d,f	<20 d,f	NA	NA	343.48	21.76	321.72
MW-1	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	1.5	NA	NA	NA	<10	NA	NA	343.48	21.20	322.28
MW-1	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	5.6	NA	NA	NA	<10	NA	NA	343.48	21.98	321.50

TABLE 1
HISTORICAL WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	19	NA	NA	NA	<10	NA	NA	343.48	21.61	321.87
MW-1	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	3.9	<2.0	<2.0	<2.0	<10	NA	NA	343.48	23.38	320.10
MW-1	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	1.2	NA	NA	NA	<10	NA	NA	343.48	19.40	324.08
MW-1	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	2.0	NA	NA	NA	<10	NA	NA	343.48	20.00	323.48
MW-1	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	3.8	NA	NA	NA	<10	NA	NA	343.48	21.79	321.69
MW-1	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	2.7	<2.0	<2.0	<2.0	<10	NA	NA	343.48	22.58	320.90
MW-1	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	2.5	NA	NA	NA	<10	NA	NA	343.48	22.11	321.37
MW-2	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.25	NA
MW-2	12/20/2002	<200	120	<2.0	<2.0	<2.0	<2.0	660	<2.0	<2.0	<2.0	<50	NA	NA	NA	30.70	NA
MW-2	3/28/2003	<2,500	60	<25	<25	<25	<50	4,200	<100	<100	<100	2,500	NA	NA	342.86	30.30	312.56
MW-2	5/9/2003	<2,500	NA	<25	<25	<25	<50	4,000	<100	<100	<100	3,200	NA	NA	342.86	29.83	313.03
MW-2	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.45	312.41
MW-2	7/8/2003	<2,000	NA	<20	<20	<20	<40	2,800	<80	<80	<80	2,900	NA	NA	342.86	29.86	313.00
MW-2	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.33	312.53
MW-2	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.33	313.53
MW-2	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.98	312.88
MW-2	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.21	312.65
MW-2	10/3/2003	<2,000	NA	<20	<20	<20	<40	3,600	<80	<80	<80	3,000	NA	NA	342.86	30.43	312.43
MW-2	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.79	313.07
MW-2	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.00	312.86
MW-2	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.14	312.72
MW-2	1/6/2004	<5,000	NA	<50	<50	<50	<100	4,500	<200	<200	<200	1,900	NA	NA	342.86	30.05	312.81
MW-2	4/6/2004	<2,000	NA	<20	<20	<20	<40	4,600	NA	NA	NA	5,100	NA	NA	342.86	29.30	313.56
MW-2	7/30/2004	<500	NA	<5.0	<5.0	<5.0	<10	1,000	NA	NA	NA	950	NA	NA	342.86	28.80	314.06
MW-2	10/7/2004	<2,500	NA	<25	<25	<25	<50	6,300	NA	NA	NA	6,500	NA	NA	342.86	28.02	314.84
MW-2	1/26/2005	<1,300	NA	<13	<13	<13	<25	2,100	<50	<50	<50	2,300	NA	NA	342.86	33.12	309.74
MW-2	4/14/2005	<500	NA	<5.0	<5.0	<5.0	<5.0	2,400	NA	NA	NA	1,100	NA	NA	342.86	25.55	317.31
MW-2	7/29/2005	<2,500	NA	<25	<25	<25	<50	3,900	NA	NA	NA	1,500	NA	NA	342.86	25.98	316.88

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Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	10/20/2005	<2,500	NA	<25	<25	<25	<50	2,500	NA	NA	NA	480	NA	NA	342.86	25.91	316.95
MW-2	1/27/2006	2,410	NA	<0.500	<0.500	<0.500	<0.500	3,160	NA	NA	NA	97.0	NA	NA	342.86	24.40	318.46
MW-2	4/20/2006	<50.0	NA	<0.500	0.880	<0.500	1.16	278	NA	NA	NA	72.2	NA	NA	342.86	25.85	317.01
MW-2	7/12/2006	1,120	NA	<0.500	<0.500	<0.500	<0.500	1,100	NA	NA	NA	<10.0	NA	NA	342.86	21.72	321.14
MW-2	10/20/2006	690 c	NA	<0.50	<0.50	<0.50	<0.50	1,100	NA	NA	NA	<5.0	NA	NA	342.86	21.72	321.14
MW-2	1/22/2007	730	NA	<10	<10	<10	<10	990	<10	<10	<10	<400	NA	NA	342.86	21.13	321.73
MW-2	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	1,100	NA	NA	NA	40	NA	NA	342.86	20.35	322.51
MW-2	7/5/2007	360 g,h	NA	<5.0	<10	<10	<10	650	NA	NA	NA	<100	NA	NA	342.86	20.44	322.42
MW-2	10/26/2007	460 g,h	NA	<5.0	<10	<10	<10	690	NA	NA	NA	<100	NA	NA	342.86	19.94	322.92
MW-2	1/22/2008	250 g,h	NA	<5.0	<10	<10	<10	720	<20	<20	<20	<100	NA	NA	342.86	18.71	324.15
MW-2	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	15	NA	NA	NA	<10	NA	NA	342.86	18.50	324.36
MW-2	7/2/2008	620	NA	<2.5	<5.0	<5.0	<5.0	580	NA	NA	NA	<50	NA	NA	342.86	20.90	321.96
MW-2	10/27/2008	660	NA	<2.5	<5.0	<5.0	<5.0	440	NA	NA	NA	<50	NA	NA	342.86	21.41	321.45
MW-2	1/8/2009	320	NA	<2.5	<5.0	<5.0	<5.0	300	<10	<10	<10	<50	NA	NA	342.86	22.12	320.74
MW-2	4/22/2009	310	NA	<2.5	<5.0	<5.0	<5.0	260	NA	NA	NA	<50	NA	NA	342.86	21.02	321.84
MW-3	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.65	NA
MW-3	12/20/2002	<2,000	72	<20	<20	<20	<20	8,000	<20	<20	<20	1,500	NA	NA	NA	31.10	NA
MW-3	3/28/2003	<5,000	89	<50	<50	<50	<100	10,000	<200	<200	<200	6,100	NA	NA	342.23	30.76	311.47
MW-3	5/9/2003	11,000	NA	<100	<100	<100	<200	15,000	<400	<400	<400	9,300	NA	NA	342.23	30.04	312.19
MW-3	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	30.23	312.00
MW-3	7/8/2003	<10,000	NA	<100	<100	<100	<200	9,500	<400	<400	<400	2,500	NA	NA	342.23	30.11	312.12
MW-3	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.80	312.43
MW-3	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.94	312.29
MW-3	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	30.05	312.18
MW-3	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.95	312.28
MW-3	10/3/2003	<10,000	NA	<100	<100	<100	<200	8,800	<400	<400	<400	6,600	NA	NA	342.23	29.97	312.26
MW-3	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.97	312.26
MW-3	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.94	312.29

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Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.43	312.80
MW-3	1/6/2004	<5,000	NA	<50	<50	<50	<100	9,800	<200	<200	<200	3,800	NA	NA	342.23	29.25	312.98
MW-3	4/6/2004	<5,000	NA	<50	<50	<50	<100	4,200	NA	NA	NA	2,100	NA	NA	342.23	28.82	313.41
MW-3	7/30/2004	<2,500	NA	<25	<25	<25	<50	3,000	NA	NA	NA	1,200	NA	NA	342.23	28.73	313.50
MW-3	10/7/2004	<1,000	NA	<10	<10	<10	<20	860	NA	NA	NA	320	NA	NA	342.23	28.72	313.51
MW-3	1/26/2005	<500	NA	<5.0	<5.0	<5.0	<10	820	<20	<20	<20	250	NA	NA	342.23	26.50	315.73
MW-3	4/14/2005	<400	NA	<4.0	<4.0	<4.0	<4.0	2,200	NA	NA	NA	590	NA	NA	342.23	26.15	316.08
MW-3	7/29/2005	<2,500	NA	<25	<25	<25	<50	3,100	NA	NA	NA	1,700	NA	NA	342.23	25.50	316.73
MW-3	10/20/2005	<2,000	NA	<20	<20	<20	<40	1,700	NA	NA	NA	220	NA	NA	342.23	26.85	315.38
MW-3	1/27/2006	808	NA	<0.500	<0.500	<0.500	<0.500	736	NA	NA	NA	39.4	NA	NA	342.23	24.95	317.28
MW-3	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	364	NA	NA	NA	<10.0	NA	NA	342.23	21.51	320.72
MW-3	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	120	NA	NA	NA	<10.0	NA	NA	342.23	22.52	319.71
MW-3	10/20/2006	220 c	NA	<0.50	<0.50	<0.50	<0.50	260	NA	NA	NA	<5.0	NA	NA	342.23	22.01	320.22
MW-3	1/22/2007	290 d,e,f	NA	<2.5 d,f	<2.5 d,f	<2.5 d,f	<2.5 d,f	450 d,f	<2.5 d,f	<2.5 d,f	<2.5 d,f	<100 d,f	NA	NA	342.23	21.95	320.28
MW-3	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	340	NA	NA	NA	<10	NA	NA	342.23	20.31	321.92
MW-3	7/5/2007	120 g,h	NA	<1.0	<2.0	<2.0	<2.0	190	NA	NA	NA	<20	NA	NA	342.23	20.82	321.41
MW-3	10/26/2007	190 g,h	NA	<1.0	<2.0	<2.0	<2.0	340	NA	NA	NA	<20	NA	NA	342.23	21.40	320.83
MW-3	1/22/2008	140 g,h	NA	<1.0	<2.0	<2.0	<2.0	250	<4.0	<4.0	<4.0	<20	NA	NA	342.23	19.42	322.81
MW-3	4/11/2008	120	NA	<1.0	<2.0	<2.0	<2.0	86	NA	NA	NA	<20	NA	NA	342.23	20.90	321.33
MW-3	7/2/2008	150	NA	<0.50	<1.0	<1.0	<1.0	150	NA	NA	NA	<10	NA	NA	342.23	20.10	322.13
MW-3	10/27/2008	240	NA	<0.50	<1.0	<1.0	<1.0	180	NA	NA	NA	<10	NA	NA	342.23	22.18	320.05
MW-3	1/8/2009	160	NA	<1.0	<2.0	<2.0	<2.0	160	<4.0	<4.0	<4.0	<20	NA	NA	342.23	22.63	319.60
MW-3	4/22/2009	97	NA	<0.50	<1.0	<1.0	<1.0	98	NA	NA	NA	<10	NA	NA	342.23	21.50	320.73
MW-4	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.92	NA
MW-4	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	93	<2.0	<2.0	<2.0	<50	NA	NA	NA	32.20	NA
MW-4	3/28/2003	<50	67	<0.50	<0.50	<0.50	<1.0	2.4	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	32.07	311.37
MW-4	5/9/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	75	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	31.35	312.09
MW-4	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.42	312.02

TABLE 1
HISTORICAL WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	7/8/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	18	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	31.42	312.02
MW-4	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.20	312.24
MW-4	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.05	312.39
MW-4	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.20	312.24
MW-4	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.15	312.29
MW-4	10/3/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	23	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	31.10	312.34
MW-4	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.14	312.30
MW-4	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	30.92	312.52
MW-4	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	30.82	312.62
MW-4	1/6/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	40	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	30.24	313.20
MW-4	4/6/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	16	NA	NA	NA	<5.0	NA	NA	343.44	30.10	313.34
MW-4	7/30/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	25	NA	NA	NA	<5.0	NA	NA	343.44	29.75	313.69
MW-4	10/7/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	35	NA	NA	NA	<5.0	NA	NA	343.44	29.79	313.65
MW-4	1/26/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	450	<10	<10	<10	43	NA	NA	343.44	27.60	315.84
MW-4	4/14/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	210	NA	NA	NA	<5.0	NA	NA	343.44	27.40	316.04
MW-4	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	57	NA	NA	NA	11	NA	NA	343.44	26.68	316.76
MW-4	10/20/2005	<50 a	NA	<0.50	<0.50	<0.50	<1.0	44	NA	NA	NA	<5.0	NA	NA	343.44	27.72	315.72
MW-4	1/27/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	98.4	NA	NA	NA	<10.0	NA	NA	343.44	28.90	314.54
MW-4	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	254	NA	NA	NA	<10.0	NA	NA	343.44	22.30	321.14
MW-4	7/12/2006	313	NA	<0.500	<0.500	<0.500	<0.500	358	NA	NA	NA	<10.0	NA	NA	343.44	23.54	319.90
MW-4	10/20/2006	450 c	NA	<0.50	<0.50	<0.50	<0.50	590	NA	NA	NA	<5.0	NA	NA	343.44	22.04	321.40
MW-4	1/22/2007	310	NA	<5.0	<5.0	<5.0	<5.0	410	<5.0	<5.0	<5.0	<200	NA	NA	343.44	22.93	320.51
MW-4	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	350	NA	NA	NA	<10	NA	NA	343.44	21.30	322.14
MW-4	7/5/2007	160 g,h	NA	<1.0	<2.0	<2.0	<2.0	260	NA	NA	NA	<20	NA	NA	343.44	22.00	321.44
MW-4	10/26/2007	150 g,h	NA	<1.0	<2.0	<2.0	<2.0	230	NA	NA	NA	<20	NA	NA	343.44	22.03	321.41
MW-4	1/22/2008	110 g,h	NA	<1.0	<2.0	<2.0	<2.0	180	<4.0	<4.0	<4.0	<20	NA	NA	343.44	20.70	322.74
MW-4	4/11/2008	150	NA	<0.50	<1.0	<1.0	<1.0	150	NA	NA	NA	<10	NA	NA	343.44	22.67	320.77
MW-4	7/2/2008	120	NA	<0.50	<1.0	<1.0	<1.0	120	NA	NA	NA	<10	NA	NA	343.44	20.76	322.68
MW-4	10/27/2008	140	NA	<0.50	<1.0	<1.0	<1.0	93	NA	NA	NA	<10	NA	NA	343.44	23.29	320.15

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Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	1/8/2009	56	NA	<0.50	<1.0	<1.0	<1.0	48	<2.0	<2.0	<2.0	<10	NA	NA	343.44	23.91	319.53
MW-4	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	33	NA	NA	NA	<10	NA	NA	343.44	22.70	320.74
MW-5	2/8/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.88	26.83	314.05
MW-5	2/10/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	5.1	<2.0	<2.0	<2.0	<5.0	NA	NA	340.88	27.13	313.75
MW-5	4/14/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	26.44	314.44
MW-5	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	26.73	314.15
MW-5	10/20/2005	56	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	26.95	313.93
MW-5	1/27/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	340.88	26.15	314.73
MW-5	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	340.88	22.21	318.67
MW-5	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	340.88	23.72	317.16
MW-5	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	23.34	317.54
MW-5	1/22/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	NA	NA	340.88	22.65	318.23
MW-5	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	23.83	317.05
MW-5	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	21.19	319.69
MW-5	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	2.2	NA	NA	NA	<10	NA	NA	340.88	21.99	318.89
MW-5	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	340.88	19.80	321.08
MW-5	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	22.38	318.50
MW-5	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	19.90	320.98
MW-5	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	22.50	318.38
MW-5	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	4.0	<2.0	<2.0	<2.0	<10	NA	NA	340.88	24.98	315.90
MW-5	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	12	NA	NA	NA	<10	NA	NA	340.88	23.10	317.78
MW-6	12/1/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.97	27.44	315.53
MW-6	12/7/2005	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.020	342.97	26.15	316.82
MW-6	1/27/2006	<50.0	230	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	342.97	24.95	318.02
MW-6	4/20/2006	<50.0	<50.0 b	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	342.97	23.51	319.46
MW-6	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	342.97	23.92	319.05
MW-6	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	342.97	24.02	318.95

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Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-6	1/22/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	NA	NA	342.97	23.54	319.43
MW-6	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.06	319.91
MW-6	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	21.85	321.12
MW-6	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	22.45	320.52
MW-6	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	342.97	21.72	321.25
MW-6	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.10	319.87
MW-6	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	21.62	321.35
MW-6	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.70	319.27
MW-6	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	342.97	24.73	318.24
MW-6	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.33	319.64
MW-7	12/1/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.21	27.48	313.73
MW-7	12/7/2005	<50	190	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.020	341.21	27.29	313.92
MW-7	1/27/2006	<50.0	<100	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	341.21	25.10	316.11
MW-7	4/20/2006	<50.0	<48.7 b	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	341.21	22.71	318.50
MW-7	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	341.21	23.40	317.81
MW-7	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	341.21	23.63	317.58
MW-7	1/22/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	NA	NA	341.21	22.68	318.53
MW-7	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	24.51	316.70
MW-7	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	21.40	319.81
MW-7	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	21.72	319.49
MW-7	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	341.21	20.36	320.85
MW-7	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	21.83	319.38
MW-7	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	19.94	321.27
MW-7	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	22.90	318.31
MW-7	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	341.21	23.59	317.62
MW-7	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	22.09	319.12
ESLs[1]		**210**	**210**	**46.0**	**130**	**43**	**100**	**1,800**	**NA**	**NA**	**NA**	**18,000**	**200**	**150**			
ESLs[2]		**100**	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**NA**	**NA**	**NA**	**12**	**0.5**	**0.05**			

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Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

1 = Deep Soils where Groundwater is not a Current or Potential Source of Drinking Water

2 = Deep Soils where Groundwater is a Current or Potential Source of Drinking Water

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol or Tertiary butanol, analyzed by EPA Method 8260B

1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B

EDB = 1,2-Dibromoethane or Ethylene dibromide, analyzed by EPA Method 504.1

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

Notes:

a = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

b = Diesel with Silica gel clean-up.

c = The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.

d = The sample, as received, was not preserved in accordance to the referenced analytical method.

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e = Hydrocarbon result partly due to individual peak(s) in quantitation range.

f = pH=5

g = Analyzed by EPA Method 8015B (M).

h = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Site surveyed November 22, 2002 by Mid Coast Engineers.

MW-5 surveyed January 31, 2005 by Mid Coast Engineers of Watsonville, CA.

Wells MW-6 and MW-7 surveyed December 19, 2005 by Mid Coast Engineers.

TABLE 2
HISTORICAL GRAB GROUNDATER DATA
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, California

Sample Designation	Date Sampled	Depth (feet)	TEPH (µg/l)	TPPH (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethlybenzene (µg/l)	Xylene (µg/l)	MTBE (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)	1,2-DCA (µg/l)
Tank Pit Samples														
T-2P - W	11/6/2002	14	55,000	7,300	210	1,100	81	900	11,000	NA	NA	NA	NA	NA
TP-W	11/6/2002	14	840	9,300	270	1,800	130	1,100	8,000	NA	NA	NA	NA	NA
CPT Borings														
CPT-1	12/18/2003	56	130	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	NA
CPT-1	12/18/2003	70	300	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	NA
CPT-2	12/19/2003	47	90	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	NA
CPT-2	12/19/2003	80	<260	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	NA
CPT-2	12/19/2003	98	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	NA
CPT-3	12/18/2003.	46	<50	<50	<0.50	<0.50	<0.50	<1.0	18	<2.0	<2.0	<2.0	<5.0	NA
CPT-3	12/18/2003	72	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	NA
CPT-3	12/18/2003	97	73	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	NA
Geoprobe Borings														
B-1	11/14/2005	NA	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50
B-4	11/14/2005	NA	<50	<50	<0.50	<0.50	<0.50	<1.0	**0.6**	<2.0	<2.0	<2.0	<5.0	<0.50
B-7	11/15/2005	NA	<50	<50	<0.50	<0.50	<0.50	<1.0	**140**	<2.0	<2.0	<2.0	**12**	<0.50
B-11	11/14/2005	NA	<50	<50	<0.50	<0.50	<0.50	<1.0	**4.5**	<2.0	<2.0	<2.0	<5.0	<0.50
ESLs[1]			**210**	**210**	**46.0**	**130**	**43**	**100**	**1,800**	**NA**	**NA**	**NA**	**18,000**	**200**
ESLs[2]			**100**	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**NA**	**NA**	**NA**	**12**	**0.5**

1 = Deep Soils - Groundwater is not a Current or Potential Source of Drinking Water

2 = Deep Soils - Groundwater is a Current or Potential Source of Drinking Water

Notes:

µg/l = micrograms per liter
TPPH = Total purgeable petroleum hydrocarbons as gasoline
TEPH = Total extractable petroleum hydrocarbon as diesel
MTBE = Methyl tert-butyl ether
DIPE = Diisopropyl ether
ETBE = Ethyl-t-butyl ether
TAME = Tert-amyl methyl ether
TBA = Tert-Butanol
1,2-DCA = 1,2-dichloroethane
NA = Not analyzed or Not Applicable
*Hydrocarbon reported is in the early diesel range, and does not match the laboratory's diesel standard
Historically, gasoline and diesel concentrations may have been reported as TPH-g and TPH-d (total petroleum hydrocarbons as gasoline or diesel).
These designations may represent slight differences in carbon ranges.

TABLE 3
HISTORICAL SOIL DATA
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, California

Sample Designation	Date Sampled	Depth (feet)	TEPH (mg/kg)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
Well Installation Samples																
MW-2 20'	10/08/02	20	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
MW-3 20'	10/09/02	20	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
Tank Pit Samples																
T-1DP	11/6/2002	14	NA	<1.0	<0.005	<0.005	<0.005	<0.010	0.9	<0.5	<0.5	<0.5	1.0	NA	NA	NA
T-1DF	11/6/2002	14	NA	<1.0	<0.005	0.0065	<0.005	0.0050	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
T-2P	11/6/2002	14	NA	<1.0	<0.005	<0.005	<0.005	<0.005	2.5	<0.5	<0.5	<0.5	6.1	NA	NA	NA
T-2F	11/6/2002	14	NA	<1.0	0.016	0.031	<0.005	<0.005	1.0	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
T-3P	11/6/2002	14	NA	<1.0	<0.005	<0.005	<0.005	<0.005	2.5	<0.5	<0.5	<0.5	4.6	NA	NA	NA
T-3F	11/6/2002	14	NA	<1.0	<0.005	<0.005	<0.005	<0.005	1.5	<0.5	<0.5	<0.5	1.7	NA	NA	NA
T-4P	11/6/2002	14	NA	<1.0	<0.005	<0.005	<0.005	<0.005	1.4	<0.5	<0.5	<0.5	3.0	NA	NA	NA
T-4F	11/6/2002	14	NA	<1.0	<0.005	<0.005	<0.005	<0.005	0.6	<0.5	<0.5	<0.5	0.9	NA	NA	NA
Dispenser Samples																
D-1 @ 3'	11/15/2002	3	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-2 @ 5'	11/15/2002	5	7.1*	10	<0.005	<0.005	<0.005	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-3 @ 4'	11/15/2002	4	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-4 @ 4'	11/15/2002	4	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-5 @ 5'	11/15/2002	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-6 @ 4.5'	11/15/2002	4.5	11	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-7 @ 4.5'	11/15/2002	4.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-8 @ 3.5'	11/15/2002	3.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-9 @ 3.5'	11/15/2002	3.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
D-10 @ 4'	11/15/2002	4	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
Piping Trench Samples																
P-1 @ 3'	11/15/2002	3	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-2 @ 3'	11/15/2002	3	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-3 @ 5'	11/15/2002	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-4 @ 4.5'	11/15/2002	4.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-5 @ 5.5'	11/15/2002	5.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA

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Sample Designation	Date Sampled	Depth (feet)	TEPH (mg/kg)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
P-6 @ 6.5'	11/15/2002	6.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.010	0.9	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-7 @ 6.5'	11/15/2002	6.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-8 @ 7.5'	11/15/2002	7.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-9 @ 7'	11/15/2002	7	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-10 @ 5.5'	11/15/2002	5.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-11 @ 5.5'	11/15/2002	5.5	18	<1.0	<0.005	<0.005	<0.005	<0.010	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-12 @ 5'	11/15/2002	5	1.8	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-13 @ 4'	11/15/2002	4	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-14 @ 3.5'	11/15/2002	3.5	<1.0	<1.0	<0.005	<0.005	0.018	0.055	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-15 @ 5.5'	11/15/2002	5.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
P-16 @ 5'	11/15/2002	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
Geoprobe Boring Samples																
B-1@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	9.6
B-1@10'	11/14/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.3
B-1@15'	11/14/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.8
B-1@20'	11/14/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.7
B-1@25'	11/14/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.4
B-1@30'	11/14/2005	30	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	4.0
B-1@35'	11/14/2005	35	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	3.3
B-1@40'	11/14/2005	40	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.0
B-1@45'	11/14/2005	45	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.0065	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	3.9
B-2@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	7.6
B-2@10'	11/16/2005	10	86*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.5
B-2@15'	11/16/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.8
B-2@20'	11/16/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.068	<0.01	<0.005	<0.005	0.040	<0.005	<0.005	5.4
B-2@25'	11/16/2005	25	1.3*	<1.0	<0.005	<0.005	<0.005	<0.005	0.063	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.3
B-3@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.3
B-3@10'	11/15/2005	10	7.3*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.3
B-3@15'	11/15/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.0
B-3@20'	11/15/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.9
B-3@25'	11/15/2005	25	6.1*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.2

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B-4@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	7.5
B-4@12'	11/14/2005	12	2.9*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.4
B-4@15'	11/14/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.7
B-4@20'	11/14/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.8
B-4@25'	11/14/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.4
B-4@35'	11/14/2005	35	<1.0	<1.0	<0.005	<0.005	<0.005	0.0062	0.27	<0.01	<0.005	<0.005	0.038	<0.005	<0.005	4.8
B-4@40'	11/14/2005	40	1.9*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.014	<0.005	<0.005	3.7
B-4@45'	11/14/2005	45	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.21	<0.01	<0.005	<0.005	0.076	<0.005	<0.005	4.6
B-5@5'	11/11/2005	5	2.1*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.7
B-5@10'	11/16/2005	10	2.7*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	7.4
B-5@15'	11/16/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.8
B-6@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.2
B-6@10'	11/15/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.7
B-6@15'	11/15/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.3
B-7@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.4
B-7@10'	11/15/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.1
B-7@15'	11/15/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.1
B-7@20'	11/15/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.5
B-7@24.5'	11/15/2005	24.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.0
B-7@30'	11/15/2005	30	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.5
B-7@34'	11/15/2005	34	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.3
B-7@40'	11/15/2005	40	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	4.3
B-7@45'	11/15/2005	45	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	4.8
B-8@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	4.9
B-8@10'	11/15/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.8
B-8@15'	11/15/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.4
B-9@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	7.9
B-9@10'	11/16/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.040	<0.01	<0.005	<0.005	0.011	<0.005	<0.005	6.9
B-9@15'	11/16/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.12	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	7.3
B-10@5'	11/11/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.0051	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.8
B-10@10'	11/16/2005	10	320*	<1.0	<0.005	<0.005	<0.005	<0.005	0.013	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.1

TABLE 3
HISTORICAL SOIL DATA
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, California

Sample Designation	Date Sampled	Depth (feet)	TEPH (mg/kg)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
B-10@15'	11/16/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.0
B-11@5'	11/11/2005	5	1.9*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	8.7
B-11@10'	11/14/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.3
B-11@15'	11/14/2005	15	1.6*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	6.9
B-11@20'	11/14/2005	20	4.3*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.4
B-11@25'	11/14/2005	25	2.1*	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.5
B-11@30'	11/14/2005	30	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.010	<0.005	<0.005	5.7
B-11@35'	11/14/2005	35	<1.0	<1.0	<0.005	<0.005	<0.005	0.0062	0.27	<0.01	<0.005	<0.005	0.038	<0.005	<0.005	3.6
B-11@40'	11/14/2005	40	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.20	<0.01	<0.005	<0.005	0.33	<0.005	<0.005	4.0
B-11@45'	11/14/2005	45	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.22	<0.01	<0.005	<0.005	0.39	<0.005	<0.005	4.9
ESLs[1]			**83**	**83**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**	**NA**	**NA**	**NA**	**0.075**	**NA**	**NA**	**750**
ESLs[2]			**180**	**180**	**0.27**	**9.3**	**4.7**	**11**	**8.4**	**NA**	**NA**	**NA**	**110**	**NA**	**NA**	**750**
ESLs[3]			**180**	**180**	**2.0**	**9.3**	**4.7**	**11**	**8.4**	**NA**	**NA**	**NA**	**110**	**NA**	**NA**	**750**

1 = Shallow and Deep Soils - Commercial Land Use - Groundwater is a Current or Potential Source of Drinking Water

2 = Shallow Soils - Commercial Land Use - Groundwater is not a Current or Potential Source of Drinking Water

3 = Deep Soils - Commercial Land Use - Groundwater is not a Current or Potential Source of Drinking Water

Notes:

mg/kg = milligrams per kilogram

TPPH = Total purgeable petroleum hydrocarbons as gasoline

TEPH = Total extractable petroleum hydrocarbon as diesel

MTBE = Methyl tert-butyl ether

DIPE = Diisopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-Butanol

EDB = 1,2-dibromoethane

1,2-DCA = 1,2-dichloroethane

NA = Not analyzed or Not Applicable

* = Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern.

Historically, gasoline and diesel concentrations may have been reported as TPH-g and TPH-d (total petroleum hydrocarbons as gasoline or diesel).

These designations may represent slight differences in carbon ranges.

APPENDIX A

CASE CLOSURE SUMMARY

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: November 24, 2009

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Shell#13-5786		
Site Facility Address: 6750 Santa Rita Road; Pleasanton CA		
RB Case No.:	Local Case No.:	LOP Case No.: RO0002522
URF Filing Date: 01/06/2003	Geotracker ID: T0600101244	APN: 946-1101-37

Responsible Parties	Addresses	Phone Numbers
Shell Oil Products US Mr. Denis Brown	20945 S. Wilmington Ave. Carson, CA 90810-1039	707-865-0251

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1 to 3	10,000 gallons	Gasoline	Removed	November 2002
4	10,000 gallons	Diesel	Removed	November 2002
5 to 7	10,000 gallons	Gasoline	In Place	November 2002
8	10,000 gallons	Diesel	In Place	November 2002
Piping			Removed	November 2002

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Accidental release in the areas of the UST complex and the western fuel dispenser island (exact cause and timing unknown).	
Site characterization complete? Yes	Date Approved By Oversight Agency:

Monitoring wells installed? Yes	Number: 7	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 18.50 feet bgs	Lowest Depth: 33.12 feet bgs	Flow Direction: South-Southeast
Most Sensitive Current Use: None		

Summary of Production Wells in Vicinity: No water supply wells are located within a ½ mile of the site.	
Are drinking water wells affected? No	Aquifer Name: Livermore Valley Groundwater Basin, Camp Subbasin
Is surface water affected? No	Nearest SW Name: unlined Zone 7 flood channel - 1,700 feet east-southeast; Tassajara Creek - 2,022 feet the west-southwest
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 tanks	Disposed off-site; disposal facility not reported	November 2002
Piping	Not reported	Disposed off-site; disposal facility not reported	November 2002
Free Product	----	----	----
Soil	Not Reported	Disposed off-site; disposal facility not reported	November 2002
Groundwater	66,137 gallons	Disposed off-site; Shell Martinez Refinery	November 2002 thru June 2006

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	10	NA	11,000	1,120
TPH (Diesel)	320[1]	NA	230 55,000 (Grab)	NA
TPH (Motor Oil)	NA	NA	NA	NA
Oil and Grease	NA	NA	NA	NA
Benzene	0.016	NA	ND 270 (Grab)	ND
Toluene	0.031	NA	ND 1,800 (Grab)	ND
Ethylbenzene	0.018	NA	ND 130 (Grab)	ND
Xylenes	0.52	NA	ND 1,100 (Grab)	ND
Lead	9.6	NA	ND	ND
MTBE	2.5	NA	15,000	1,100
Other (8240/8270)	NA	NA	NA	NA

[1]Groundwater Hydrocarbons reported as TPH-d do not exhibit typical Diesel chromatographic pattern.
NA - Not Analyzed
ND – Not Detected
TPH – Total Petroleum Hydrocarbons
MTBE – Methyl tertiary butyl ether

Water samples were collected from monitoring wells unless otherwise indicated.

Site History and Description of Corrective Actions:

The site is an active Shell-branded service station on the southeast corner at the intersection of Santa Rita Road and Pimlico Drive in a mixed commercial and residential area of Pleasanton, California. The station facilities consist of a small convenience store, a car wash, a storage/restroom building, four underground storage tanks (USTs) and ten fuel dispensers.

Four onsite groundwater monitoring wells (MW-1 to MW-4) were installed in October 2002. No petroleum hydrocarbons or fuel oxygenates were detected in the soil. In November 2002, the USTs, product dispensers, and product piping were replaced. A crack developed in Tank T-3 while it was being hoisted out of the pit. Soil samples from the excavation pit contained benzene and methyl tert butyl ether (MTBE) at concentrations of up to 0.016 milligrams per kilogram (mg/kg) and 2.5 mg/kg, respectively. Total purgeable petroleum hydrocarbons (TPPH) was detected in piping trench samples at a maximum concentration of 10 mg/kg; total extractable petroleum hydrocarbons (TEPH) was found in dispenser samples at a maximum concentration of 18 mg/kg.

In December 2003, three Cone Penetration Test (CPT) borings were advanced onsite and offsite. Maximum concentrations in the grab groundwater samples collected were 300 micrograms per liter (µg/L) TEPH (CPT-1@70') and 18 µg/L MTBE (CPT-3@46'). All other constituents were below the laboratory reporting limits.

In January 2005, off-site well MW-5 was installed; no petroleum hydrocarbons or fuel oxygenates were detected in the soil. MTBE was detected in the groundwater at 5.1 µg/l during the initial sampling. Eleven exploratory soil borings (B-1 through B-11) were advanced onsite in November 2005, and off-site monitoring wells MW-6 and MW-7 were installed south of the site in December 2005. The maximum concentrations detected in soil were 320 mg/kg TEPH (B-10@10'), 0.27 mg/kg MTBE (B-4@35' & B-11@35'), and 0.39 mg/kg tert butyl alcohol [TBA] (B-11@45'). The maximum concentrations detected in groundwater were 140 µg/L MTBE (B-7) and 12 µg/L TBA (B-7).

Groundwater monitoring has been conducted at the site since December 2002. Maximum historical concentrations of TPPH and MTBE in groundwater were 11,000 µg/L (MW-3), and 15,000 µg/L (MW-3), respectively. During the most recent monitoring and sampling event on October 6, 2009, TPPH was only detected in Well MW-2 at a concentration of 130 (µg/L). MTBE was detected in wells MW-1 through MW-5 MTBE at concentrations ranging from 5.2 µg/L (MW-1) to 190 µg/L (MW-2).

Monthly batch extractions from wells MW-2 and MW-3 were initiated during third quarter 2003, and continued through the fourth quarter 2003. Over the course of six months, MTBE concentrations in well MW-3 were lowered from a historic high of 15,000 µg/L to 9,800 µg/L; however, on average, less than 40 gallons of water could be extracted from each well during a two-hour period. As a result, monthly groundwater batch extractions were discontinued during first quarter 2004.

Due to increasing MTBE concentrations in groundwater during first and second quarter 2004, an extended groundwater batch extraction event was initiated during third quarter 2004 utilizing wells MW-1, MW-2 and MW-3. Approximately 4,705 gallons of groundwater were extracted during a six-week period, and an overall decrease in concentrations was observed in site wells during the extraction activities indicating the successful mass removal of fuel oxygenates.

Additional increases in MTBE concentrations during fourth quarter 2004, prompted the initiation a of second extended groundwater batch extraction event during first quarter 2005 utilizing well MW-2. Approximately 2,950 gallons of groundwater were extracted during a two week period, and the concentration of MTBE in well MW-2 decreased from 5,200 µg/L to 1,300 µg/L. The total mass of MTBE removed from groundwater beneath the site through January 2005 was approximately 0.274 pounds.

During fourth quarter 2005, a third extended groundwater batch extraction event was performed utilizing well MW-2. Approximately 1,118 gallons of groundwater were extracted during the 10-day period, and the concentration of MTBE decreased from 2,600 µg/L to 1,300 µg/L. The calculated mass extracted during this event was 0.011 pounds.

Additional extended groundwater batch extraction events had been proposed to mitigate MTBE concentrations; however, following the fourth quarter 2005 event the strategy was changed and a temporary groundwater extraction system was installed and operated for about four months. Combined, the remediation methods resulted in the extraction of approximately 49,137 gallons of groundwater and the removal of approximately 0.36 pound of MTBE. Concentrations of MTBE in well MW-2 decreased to a low of 180 µg/L.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements:		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Commissioned: 7	Number Decommissioned: 0	Number Retained: 7

List Enforcement Actions Taken:

ACTION TYPE	ACTION DATE	ACTION
CLEANUP ACTION	9/9/9999	
ENFORCEMENT/ORDERS	7/14/2009	Staff Letter - #20090714
OTHER REGULATORY ACTIONS	3/12/2009	Meeting
LEAK ACTION	1/6/2003	Leak Reported
LEAK ACTION	1/2/2003	Leak Discovery

List Enforcement Actions Rescinded:

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

Residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site are fully delineated and limited in extent. According to San Francisco Bay Regional Water Quality Control Board guidance, reported concentrations of TPPH, TEPH, MTBE, and TBA in soil and groundwater would not pose a risk to human health due to direct contact (dermal or ingestion) or vapor intrusion. The guidance indicates that the soil impacts would pose the greatest risk to groundwater due to leaching, and the groundwater impacts would pose the greatest risk to gross contamination issues and sensitive receptors. The site is currently a completely paved service station, and the clay deposits in the subsurface are inhibiting lateral and vertical migration of residual petroleum hydrocarbons. No sensitive receptors have been identified within 1,000 feet of the site, and the shallow water-bearing zone is not currently used as a drinking water resource.

Conclusion:

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature:	Date:
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date:

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response:	Date Submitted to RB:
Signature:	Date:

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH:	Date of Well Decommissioning Report:	
All Monitoring Wells Decommissioned: Yes No	Number Decommissioned:	Number Retained:
Reason Wells Retained:		
Additional requirements for submittal of groundwater data from retained wells:		
ACEH Concurrence - Signature:		Date:

Attachments:

Request for Case Closure

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Elevation Contour Map, October 6, 2009
Figure 4 – Groundwater Hydrocarbon Distribution Map, October 6, 2009

Graph 1 – TPPH and MTBE Concentrations in Well MW-2 vs. Time
Graph 2 – TPPH and MTBE Concentrations in Well MW-3 vs. Time

Table 1 – Well Concentrations
Table 2 – Historical Grab Groundwater Data
Table 3 – Historical Soil Data

Appendix A – Case Closure Summary
Appendix B – Regional Geologic and Hydrogeologic Data
Appendix C – Boring Logs and Cross-Sections
Appendix D – Historical Remediation System Data
Appendix E – Sensitive Receptor Data

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

APPENDIX B

REGIONAL GEOLOGIC AND HYDROGEOLOGIC DATA

DESCRIPTION OF UNITS

GRAVEL PITS

Qsc STREAM CHANNEL MATERIAL -- Mainly loose, well-sorted sand and gravel. This material is presently being transported during periods of normal runoff.

Qyf YOUNGER ALLUVIAL FAN DEPOSITS -- Includes colluvial fill in narrow canyons. Unconsolidated, moderately sorted, permeable fine sand and silt, with gravel becoming more abundant toward fan heads and within canyons. Forms well-drained levees which grade headward to stream deposits on terraces cut in Qof. Thickness varies from as much as 50 feet at fan heads and in canyons to about 20 feet where Qyf interfingers with Qyfo and Qb at the outer margins of fans. Locally contains aboriginal artifacts and skeletal remains.

Qyfo YOUNGER FLUVIAL DEPOSITS -- Unconsolidated deposits of fine, but variable grain size--mainly fine sand, silt, and silty clay; intermediate in character and lateral extent between Qb and Qyf. Forms levees and overbank deposits along the San Francisco Bay margin and in Livermore Valley, as well as valley fill in some open canyons. May be in part windblown in the southwestern part of the county. Generally less than 15 feet thick. Overbank deposits locally contain minor amounts of organic matter including fresh-water gastropods and pelecypods.

Qb INTERFLUVIAL BASIN DEPOSITS -- Plastic, poorly sorted, organic-rich clay and silty clay in poorly drained areas marginal to the bay and in Livermore Valley. Interfingers with Qyf, Qyfo, and recent mud of San Francisco Bay. Generally less than 10 feet thick. Locally contains fresh-water gastropods and pelecypods.

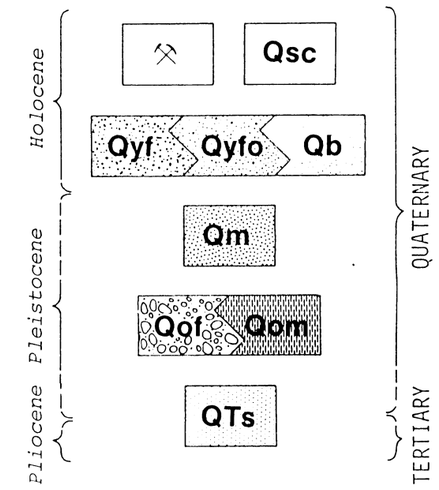
Qm MERRITT SAND -- Loose, fine-grained, very well sorted beach and wind-blown sand at Alameda Island and adjacent bay margin near Oakland (Lawson, 1914).

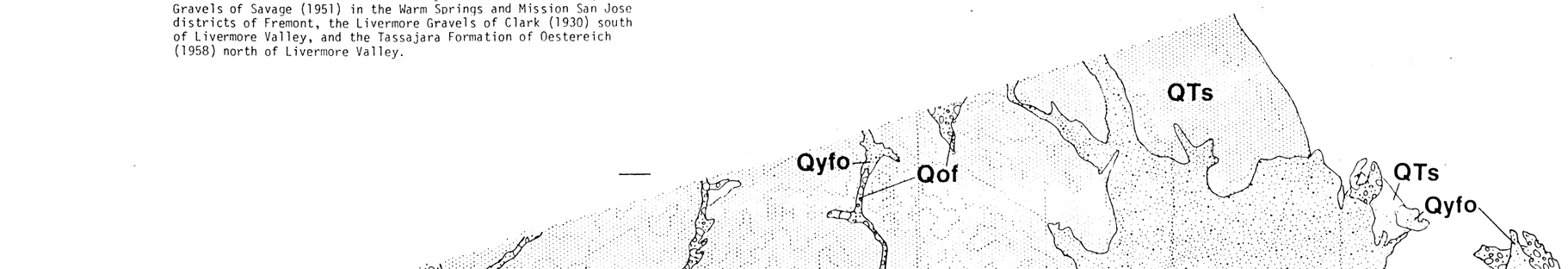
Qof OLDER ALLUVIAL FAN DEPOSITS -- Includes stream terrace deposits in some narrow canyons and on the margins of Livermore Valley. Weathered, weakly consolidated, poorly sorted silt sand and gravel (generally fine grained in northeastern Livermore Valley owing to derivation from friable sandstone bedrock). Less permeable and more poorly drained than younger alluvial fan deposits. Maximum thickness unknown but at least several hundred feet thick near bay margin. Headward portions overlapped by younger deposits on southern bay margin and incised by channels that are partially filled with younger deposits on northern bay margin and in Livermore Valley. Locally contains concentrations of continental vertebrate and invertebrate fossils. Includes the San Antonio Formation of Lawson (1914).

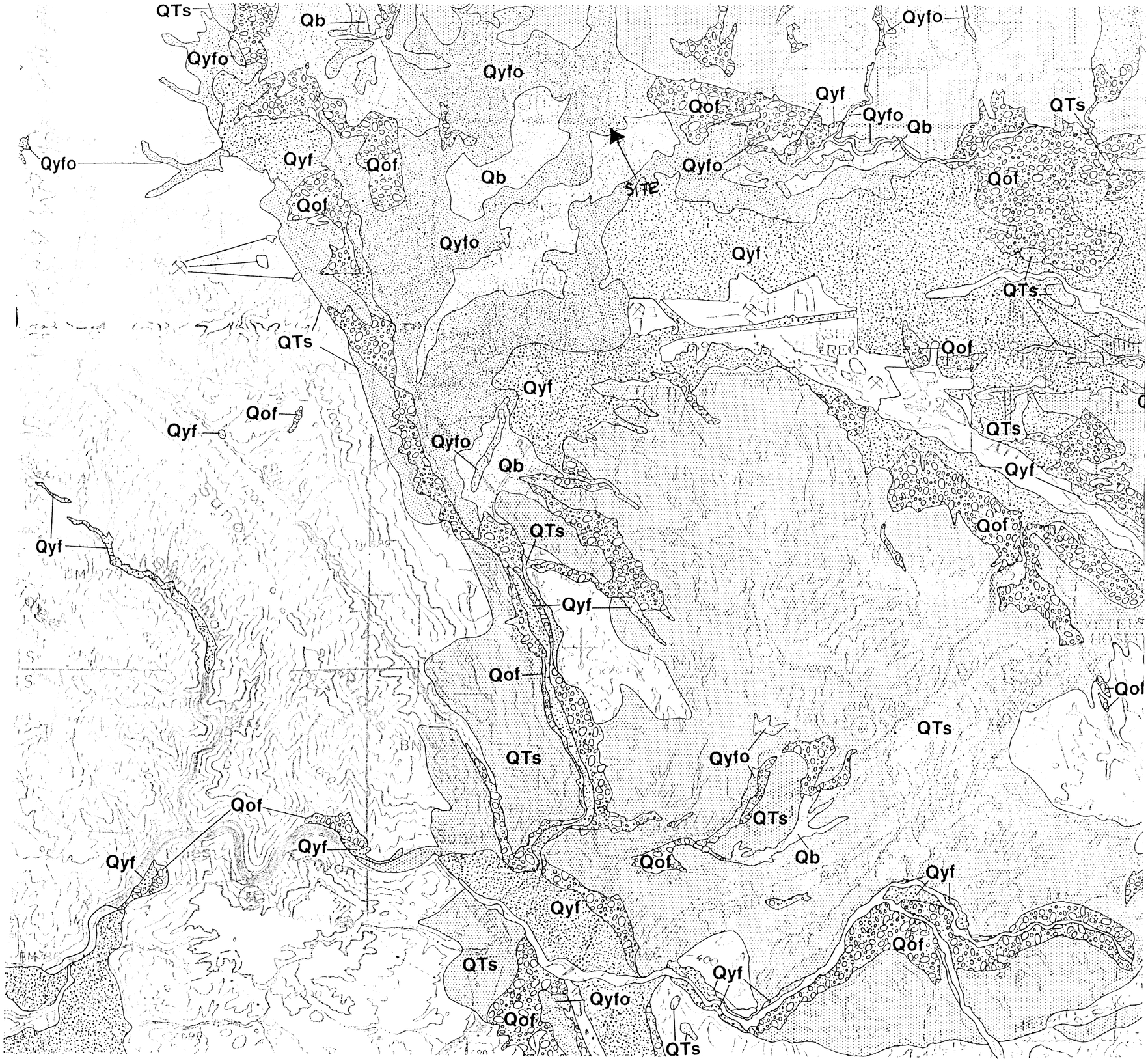
Qom OLDER MUD -- Dark, plastic, semiconsolidated, organic-rich clay and silty clay. Interfingers with Qof. Maximum thickness is unknown but greater than 50 feet near bay margin. Underlies recent mud of San Francisco Bay and locally underlies younger alluvial deposits on bay margin. Locally contains continental vertebrate fossils, fresh-water invertebrate fossils, and plant remains.

QTs DEFORMED OLDER SEDIMENTARY DEPOSITS -- Poorly consolidated to semiconsolidated alluvial deposits of gravel, sand, silt and clay with subordinate fine-grained lacustrine deposits; locally tuffaceous; locally contains abundant remains of continental vertebrate and invertebrate fossils. Maximum thickness unknown but over 5,000 feet in the hills south of Livermore Valley. Includes the Irvington Gravels of Savage (1951) in the Warm Springs and Mission San Jose districts of Fremont, the Livermore Gravels of Clark (1930) south of Livermore Valley, and the Tassajara Formation of Oestereich (1958) north of Livermore Valley.

CORRELATION OF UNITS






QTs
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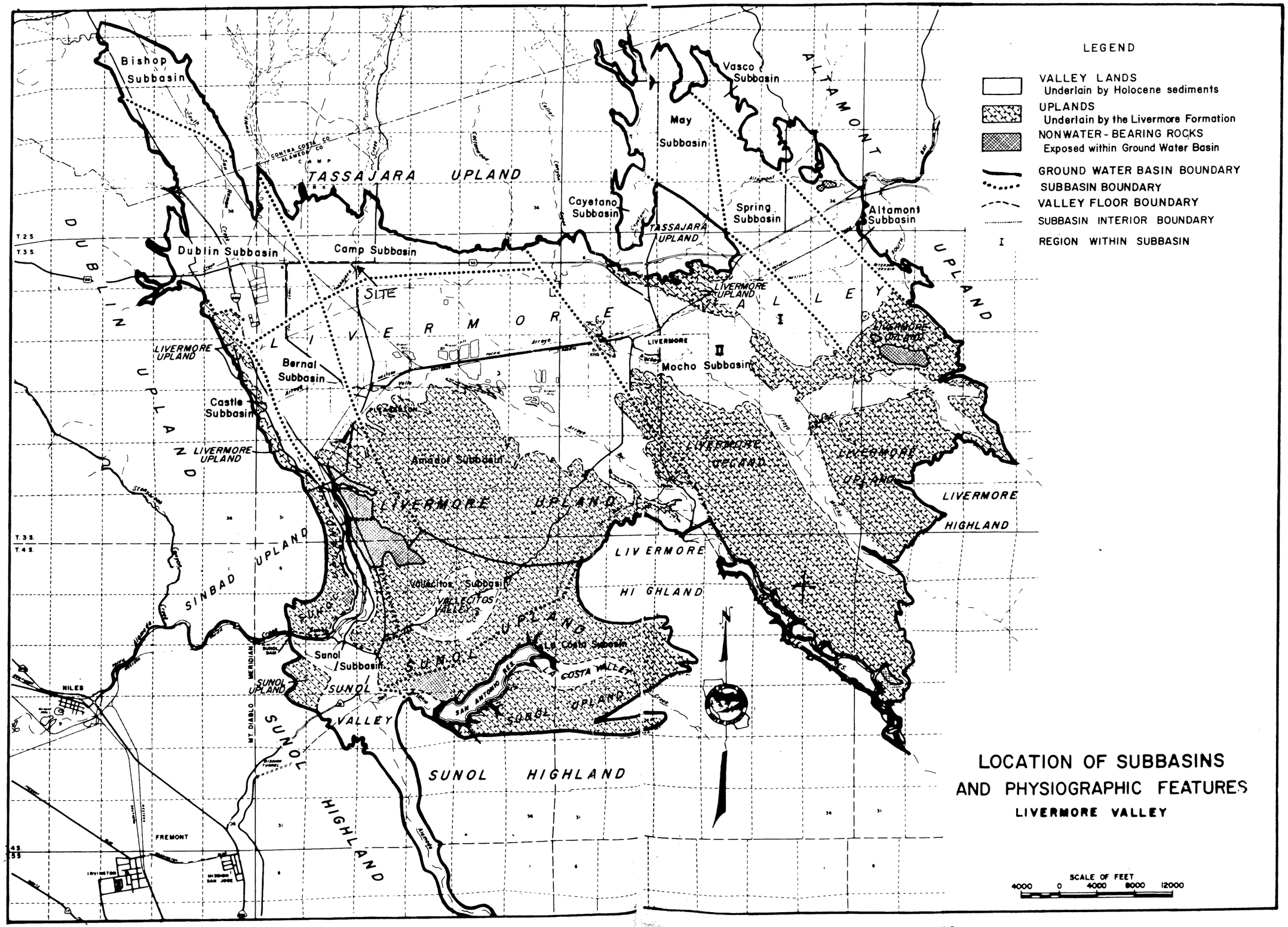
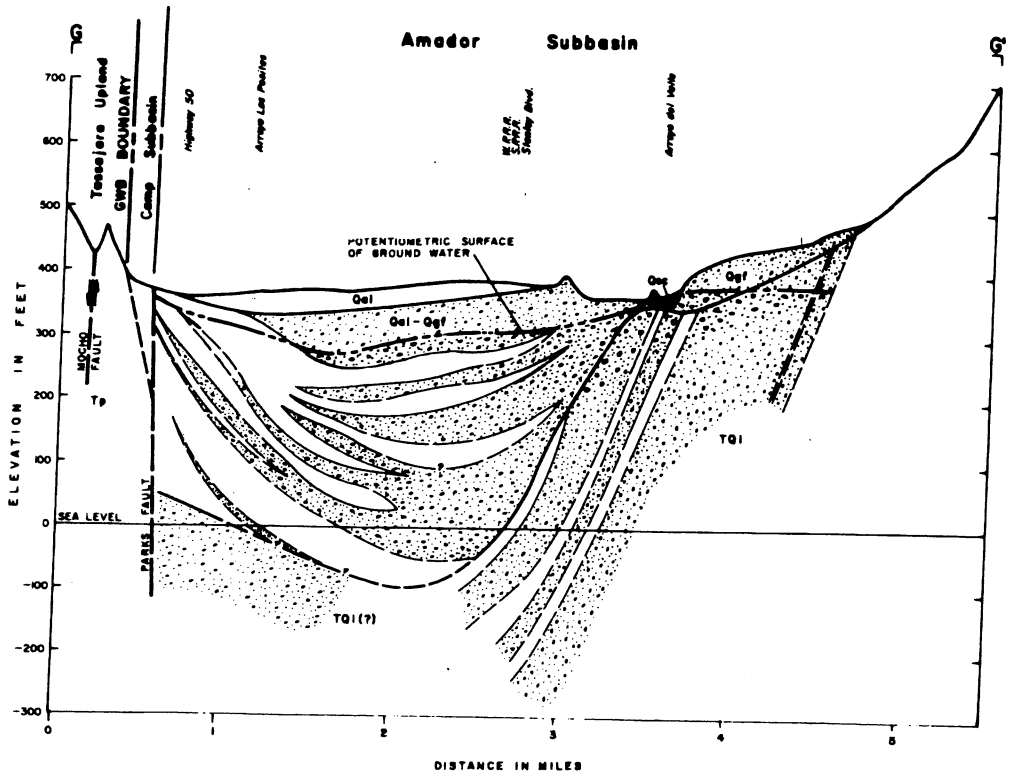
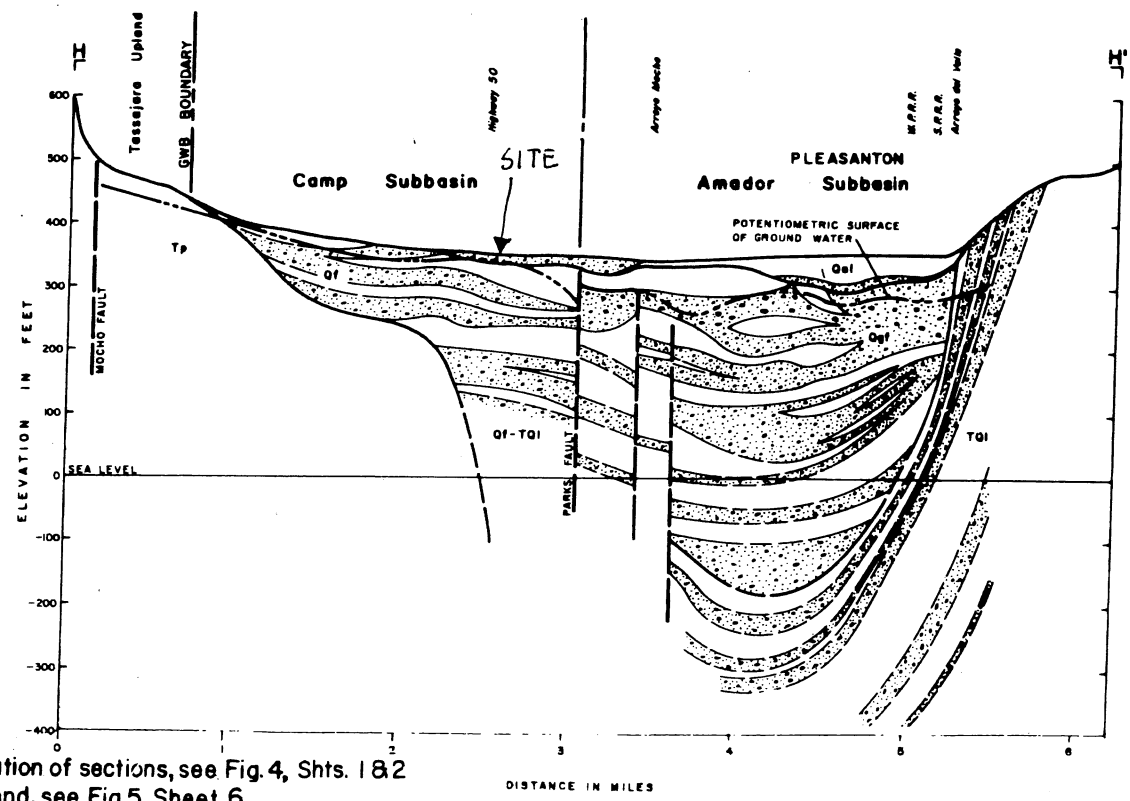

LEGEND
VALLEY LANDS
Underlain by Holocene sediments
UPLANDS
Underlain by the Livermore Formation
NONWATER-BEARING ROCKS
Exposed within Ground Water Basin
GROUND WATER BASIN BOUNDARY
SUBBASIN BOUNDARY
VALLEY FLOOR BOUNDARY
SUBBASIN INTERIOR BOUNDARY
I REGION WITHIN SUBBASIN
Bishop Subbasin
Vasco Subbasin
May Subbasin
TASSAJARA UPLAND
Cayetano Subbasin
Spring Subbasin
Altamont Subbasin
ALTAMONT
Dublin Subbasin
Camp Subbasin
SITE
LIVERMORE VALLEY
LIVERMORE UPLAND
Bernal Subbasin
Mocho Subbasin
Castle Subbasin
Amador Subbasin
LIVERMORE GROAD
LIVERMORE HIGHLAND
SINBAD UPLAND
Vallecitos Subbasin
VALLECITOS VALLEY
La Costa Subbasin
SUNOL UPLAND
Sunol Subbasin
SUNOL VALLEY
SUNOL HIGHLAND
LIVERMORE HIGHLAND
DUBLIN UPLAND
T2S
T3S
T4S
MT DIABLO MERIDIAN
LIVERMORE
SAN ANTONIO
NILES
FREMONT
IRVINGTON
N
LOCATION OF SUBBASINS
AND PHYSIOGRAPHIC FEATURES
LIVERMORE VALLEY
SCALE OF FEET
4000 0 4000 8000 12000

FIGURE 5





For location of sections, see Fig. 4, Shts. 1 & 2
For legend, see Fig. 5, Sheet 6

GEOLOGIC SECTIONS - LIVERMORE VALLEY

APPENDIX C

BORING LOGS AND CROSS-SECTIONS

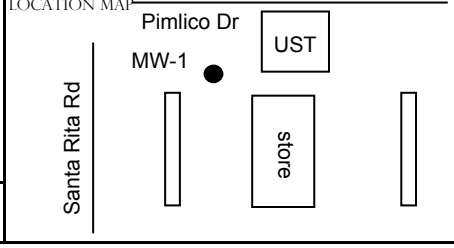
KHM

ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd
DRILLER:	Gregg	DATE DRILLED:	10/8/2002
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	42.5'
CASING TYPE:	PVC	WELL DIAMETER:	2"
SLOT SIZE:	0.010	WELL DEPTH:	42'
GRAVEL PACK:	2-12	CASING STICKUP:	NA
ELEVATION		NORTHING	EASTING

BORING/WELL NO: MW-1
PAGE 1 OF 2

LOCATION MAP



Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
Cement Grout			Moist		Air Knifed	1			AF	Concrete ~ 5" thick
										Baserock: coarse rounded gravel 2-3"
				0.7					CL	**Sandy Lean CLAY**; medium grayish brown, low to medium
				5.9		2				plasticity, 30% fine sand, <10% fine gravel
						3			SC	**Clayey SAND**; dark-medium grey brown mottled with
										light brown, fine sand, low to medium plasticity, <15% fine
						4				gravel
						5				
						6				
						7				
						8				
					3	9			CH	**Fat CLAY**; medium to dark brown, soft, high plasticity
			damp	2.1	3					
					5	10				
						11				
						12				
						13				
					5	14				(stiff)
			damp	2.6	6					
					8	15				
						16				
						17				
						18				
					5	19				
			damp	1.9	8					
					10	20				
						21				
						22				

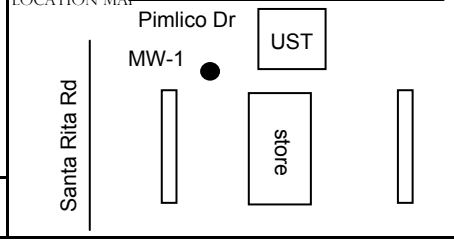
KHM

ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd
DRILLER:	Gregg	DATE DRILLED:	10/8/2002
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	42.5'
CASING TYPE:	PVC	WELL DIAMETER:	2"
SLOT SIZE:	0.010	WELL DEPTH:	42'
GRAVEL PACK:	2-12	CASING STICKUP:	NA
ELEVATION		NORTHING	EASTING

BORING/WELL NO: MW-1

LOCATION MAP



Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Bentonite / Sand					23		CH	continued
				5	24		SP	**Poorly Graded SAND**; medium brown, very fine grained,
		damp	4.2	7				loose
				9	25		CH	**Fat CLAY**; light brown, soft, high plasticity
					26			
					27			
					28			
				4	29			
		damp	1.6	5				
				6	30		SP	**Poorly Graded SAND**; medium brown, fine grained
					31			
	▽				32			
					33			
		wet		4	34			
				6			SC/	**Clayey SAND** and **Fat CLAY;** alternating 6" layers,
				7	35		CH	(Clayey Sand is medium brown, 60% sand, 40%
				4				clay, fine to medium grained sand, moderate
				7	36			plasticity)
				13				(Fat Clay is medium brown, stiff, high plasticity)
				7	37			
				12				
				15	38		CH	**Fat CLAY;** medium brown, stiff, high plasticity
				5				
				9	39			
				10				
				5	40			
				6				(grades coarser, 5% fine grained sand)
				8	41			
		wet		6				(soft)
				8	42			
				11				(stiff)
					43			**BOTTOM OF BORING @ 42.5 ft**
					44			

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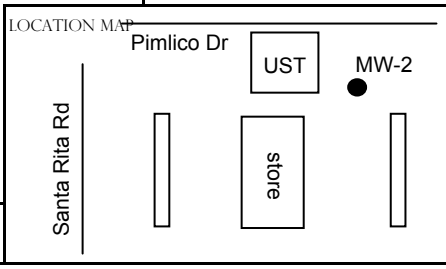
ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS	BORING/WELL NO:	MW-2
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd	PAGE	1 OF 2
DRILLER:	Gregg	DATE DRILLED:	10/8/2002		
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"		
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	42.5'		
CASING TYPE:	PVC	WELL DIAMETER:	2"		
SLOT SIZE:	0.010	WELL DEPTH:	42'		
GRAVEL PACK:	2-12	CASING STICKUP:	NA		
ELEVATION		NORTHING		EASTING	

LOCATION MAP



Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	Concrete 6" thick
										Baserock: 2" thick coarse gravel
			moist		Air Knifed	1			CL	**Lean CLAY with Sand;** dark yellow brown, 10%-20% fine
						2				sand, silty, medium plasticity
									SC	**Clayey SAND interbedded with Silt,** dark-medium
						3				yellow brown, 20-35% fine sand, low to medium plasticity
						4				
						5				
						6				
				0.7		7			CH	**Fat CLAY**; dark brown, plastic, soft
						8				
					3					
			damp	2.2	5	9				
					5	10				(stiff,slightly friable)
						11				
						12				
						13				
					3	14				(rare silt and gravel up to 1/4")
			damp	1.9	7					
					8	15				
						16				
						17				
						18				
					3	19				(orange-brown, stiff, rare medium grained sand)
			damp	18.0	5					
					7	20				
						21				
						22				

Cement Grout

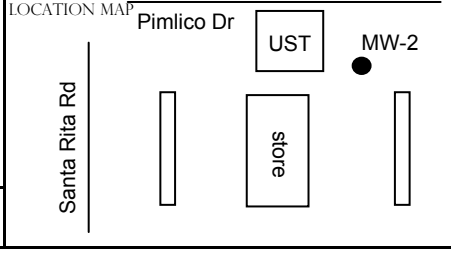
KHM

ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd
DRILLER:	Gregg	DATE DRILLED:	10/8/2002
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	42.5'
CASING TYPE:	PVC	WELL DIAMETER:	2"
SLOT SIZE:	0.010	WELL DEPTH:	42'
GRAVEL PACK:	2-12	CASING STICKUP:	NA
ELEVATION		NORTHING	EASTING

BORING/WELL NO: MW-2
PAGE 2 OF 2

LOCATION MAP



Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Bentonite					23		CH	cont.
		damp	3.6	2 4 6	24 25			
					26 27			
					28			
		damp	4.3	5 8 9	29 30		CH	**Fat CLAY**; medium to light brown, 70% clay, 30% silt, soft, friable, high plasticity
	▽				31 32 33			
Sand		wet		7 12 14	34			
				6 8 9	35 36		CH	**Gravelly Fat CLAY**; greenish brown, 70% clay, 30% 1/4" gravel
		wet		6 9 11	37 38			(grades finer, 10% 1/2" gravel, soft)
				6 8 13	39		SP	**Clayey SAND**; medium brown with trace black and reddish grains, 70% sand, 30% clay, fine grained sand
		wet		9 11 15	40 41			(2" clay interbed @ 40')
				11 17 20	42			(grades coarser, 80% fine sand)
					43 44			**BOTTOM OF BORING @ 42.5 ft**

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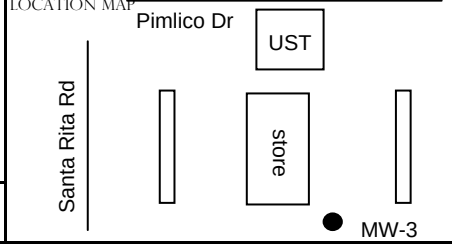
ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS	BORING/WELL NO:	MW-3
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd, Pleasonton, CA	PAGE	1 OF 2
DRILLER:	Gregg	DATE DRILLED:	10/9/2002		
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"		
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	44.5'		
CASING TYPE:	PVC	WELL DIAMETER:	2"		
SLOT SIZE:	0.010	WELL DEPTH:	44'		
GRAVEL PACK:	2-12	CASING STICKUP:	NA		
ELEVATION		NORTHING		EASTING	

LOCATION MAP



Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
Cement Grout									AF	Concrete 6" thick
										Baserock 2": coarse rounded gravel
			moist		Air Knifed	1			CL	**Sandy Lean CLAY**; dark gray to olive gray, 10-20% fine sand, 10-15% fine gravel, medium plasticity
						2				
						3				(alternating sandy clay and clayey sand)
						4				
						5				(clay becomes stiffer below 5')
						6				
			damp			7				
						8				
			damp		2	9			CH	**Fat CLAY**; uniform dark brown, soft, high plasticity
				2.2	3					
					4	10				
						11				
						12				
						13				
					3	14				(stiff)
			damp	4.6	6					
					8	15				
						16				
						17				
						18				
			damp		3	19				(10% grey-white course sand)
				20.1	4					
					6	20				
						21				
						22				

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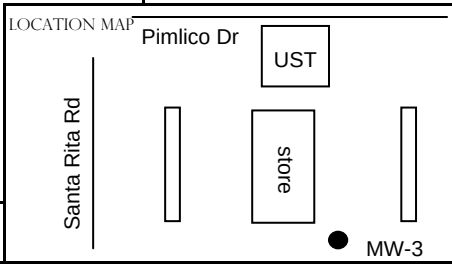
ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS	BORING/WELL NO:	MW-3
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd, Pleasonton, CA	PAGE	2 OF 2
DRILLER:	Gregg	DATE DRILLED:	10/9/2002		
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"		
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	44.5'		
CASING TYPE:	PVC	WELL DIAMETER:	2"		
SLOT SIZE:	0.010	WELL DEPTH:	44'		
GRAVEL PACK:	2-12	CASING STICKUP:	NA		
ELEVATION		NORTHING		EASTING	

LOCATION MAP



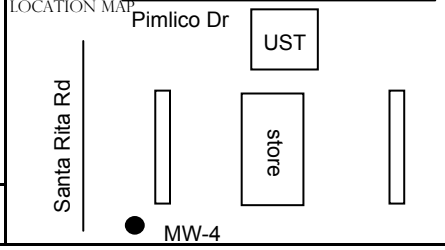
Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Bentonite / Sand					23		CH	cont.
				4				
		damp	2.0	6	24		SC	**Clayey SAND**; medium brown, 75% sand, 25% clay, fine
				11				grained, loose
					25			
					26			
					27			
					28			
				4			CH	**Sandy CLAY**; medium brown, 75% clay, 25% sand,
		damp	2.0	7	29			fine grained,soft
				8				
					30			
					31			
					32			
	▽				33			
		damp		5	34		CH	**Fat CLAY**; medium brown, soft, high plasticity
				6				
				7				
		damp		4	35			(trace greenish tint to clay)
				6				
				7	36			
		wet		4				
		damp		8	37			(stiff)
				10				
		wet		5	38			
				6				
				8	39			
		wet		4				
				6	40			
				7				(soft, no sand)
				6	41			
				8			SC	**Clayey SAND**; brown to orange brown with black grains,
				11	42			80% sand, 20% clay, fine grained
				7				
				11	43			(grades coarser, medium to coarse grained sand)
				15				
					44			**BOTTOM OF BORING @ 44.5 ft**

KHM

ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS	BORING/WELL NO:	MW-4
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd, Pleasonton, CA	PAGE	1 OF 2
DRILLER:	Gregg	DATE DRILLED:	10/9/2002		
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"		
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	44.5'		
CASING TYPE:	PVC	WELL DIAMETER:	2"		
SLOT SIZE:	0.010	WELL DEPTH:	44'		
GRAVEL PACK:	2-12	CASING STICKUP:	NA		
ELEVATION		NORTHING		EASTING	

LOCATION MAP



Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	Concrete ~2" thick
						1				Fill ~8", well graded sand and gravel
			damp						SW	**Well Graded SAND with Gravel**; brown, fine to coarse
						2				sand, ~30% gravel, up to 1.5"
			moist			3				
			moist		Air Knifed	4			CL	**Lean CLAY with Gravel**; dark brown, ~30% gravel,
						5				moderate plasticity
										(grades finer, <10% gravel)
						6				
			damp			7			CH	**Fat CLAY**; dark brown, soft, high plasticity
						8				
					3					
			damp	1.6	4	9				(stiff)
					6	10				
						11				
						12				
						13				
			dry/		4	14				(moderate plasticiy)
			damp	1.5	5					
					8	15				
						16				
						17				
						18				
					5	19				(stiff, high plasticity)
			damp	2.6	7					
					14	20				
						21				
						22				

Cement Grout

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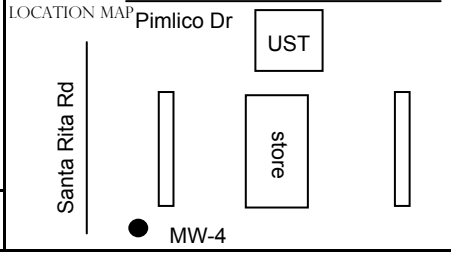
ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	C81-6750 Santa Rita	CLIENT:	Shell OPUS	BORING/WELL NO:	MW-4
LOGGED BY:	J. Pearson	LOCATION:	6750 Santa Rita Rd, Pleasonton, CA	PAGE	2 OF 2
DRILLER:	Gregg	DATE DRILLED:	10/9/2002		
DRILLING METHOD:	HSA	HOLE DIAMETER:	8"		
SAMPLING METHOD:	Split Spoon	HOLE DEPTH:	44.5'		
CASING TYPE:	PVC	WELL DIAMETER:	2"		
SLOT SIZE:	0.010	WELL DEPTH:	44'		
GRAVEL PACK:	2-12	CASING STICKUP:	NA		
ELEVATION		NORTHING		EASTING	

LOCATION MAP



Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Bentonite					23			
				4	24		CH	cont.
		damp	0.6	6				(color change from light brown to dark brown at 24')
				7	25			
					26			
					27			
					28			
				4	29		SC	**Clayey SAND**; medium brown, 70% sand, 30% clay
		damp	0.1	5				fine grained, loose
				10	30			
					31			
					32			
					33			
				3	34		CH/	**Fat CLAY** and **Clayey SAND**; alternating 18" layers,
	▽	wet		4			SC	(Fat clay is brown with greenish mottling and slight
				4	35			FeO staining, soft, high plasticity)
Sand				3				(Clayey sand is medium brown, 70% sand, 30%
				4	36			clay, fine grained, dense)
				6				
				3	37			
				3				
				5	38			
				3				
				4	39			
				6				
				6	40			
				8				(grades stiffer)
				8	41			
				3				
				5	42			
				6				
				5	43			
				7				
				14	44			**BOTTOM OF BORING @ 44.5 ft**

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: MW-5
Logged By:	Rebecca Wolff	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	1/26/2005	
Drilling Method:	HSA	Hole Diameter:	8"	
Sampling Method:	Split Spoon	Hole Depth:	35'	
Casing Type:	Sch. 40 PVC	Well Diameter:	2"	
Slot Size:	0.02	Well Depth:	32'	
Gravel Pack:	#3 Sand	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
								AF	Asphalt and base rock
					1			CL	**Lean CLAY**; gray, moderate plasticity
					2			CL	**Sandy Lean CLAY**; gray-brown, 25-35% medium grained sand
				Air Knifed	3				
					4				
					5				
					6			CL	**Lean CLAY**; dark gray, high plasticity, trace coarse grained sand, no dilatancy
					7				
					8				
					9				
Grout				7	10				(trace caliche, trace gravel, trace red mottling
		damp	0.2	8	11				small shells in clay)
				12	12				
					13				
				5	14				(root holes, <5% coarse grained sand,
		damp	0.2	9	15				trace 1/4" gravel, increased caliche)
				12	16				
					17				
					18				
				4	19				(dark brown, trace caliche, root holes, trace
		damp	0.6	5	20				gravel, trace sand, dark brown mottling
				10	21				
					22				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: MW-5
Logged By:	Rebecca Wolff	Location:	6750 Santa Rita Rd, Pleasanton	Page 2 of 2
Driller:	Gregg Drilling	Date Drilled:	1/26/2005	
Drilling Method:	HSA	Hole Diameter:	8"	
Sampling Method:	Split Spoon	Hole Depth:	35'	
Casing Type:	Sch. 40 PVC	Well Diameter:	2"	
Slot Size:	0.02	Well Depth:	32'	
Gravel Pack:	#3 Sand	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout / Bentonite / Sand					23			CL	continued
									(tan)
				4	24				
		damp	0.3	5				SP-SM	**SAND with Silt**; brown, coarse to very coarse sand,
				9	25			CL	5-15% silty fines
									Lean CLAY; tan-brown, 5-15% fine grained sand, some silty fines
					26				
					27				
	▼				28				
		moist		10	29			SM	**Silty SAND**; brown, medium to fine grained sand (fining
		wet	0.1	17					downward), 20-30% silt
		damp		20	30				
					31				
					32				
					33				
Sand				3	34			CL	**Lean CLAY**; tan, 5-10% fine grained sand, medium
		damp	0.1	4					plasticity
				5	35				
									Bottom of Boring at 35 ft
					36				
					37				
					38				
					39				
					40				
					41				
					42				
					43				
					44				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: MW-6	
Logged By:	Heather Buckingham	Location:	6700 Santa Rita Rd, Pleasanton	Page 1 of 2	
Driller:	Gregg Drilling	Date Drilled:	11/22/2005	Location Map	
Drilling Method:	HSA	Hole Diameter:	8"	Please see site map	
Sampling Method:	Geoprobe	Hole Depth:	29'		
Casing Type:	Sch. 40 PVC	Well Diameter:	2"		
Slot Size:	0.001	Well Depth:	29'		
Gravel Pack:	#2/12	Casing Stickup:	N/A		
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout		dry	2.5	A/K + hand	1–7				
		damp	1.5		8–10			CH	**Fat CLAY**: dark grey; high plasticity; trace coarse grains of sand
					11			CL	**Lean CLAY**: light brown mottled with orange; moderate plasticity
			1.1		12–15				(darker brown mottled with light grey)
			1.3		16–20			CL	**Sandy lean CLAY**: medium brown; 30-40% very fine grained sand
					21				(darker grey with light grey mottling)
					22				(lighter brown with orange mottling)

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: MW-6	
Logged By:	Heather Buckingham	Location:	6700 Santa Rita Rd, Pleasanton	Page 2 of 2	
Driller:	Gregg Drilling	Date Drilled:	11/22/2005	Location Map	
Drilling Method:	HSA	Hole Diameter:	8"	Please see site map	
Sampling Method:	Geoprobe	Hole Depth:	29'		
Casing Type:	Sch. 40 PVC	Well Diameter:	2"		
Slot Size:	0.001	Well Depth:	29'		
Gravel Pack:	#2/12	Casing Stickup:	N/A		
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Bentonit / San					23			CL	continued
					24			SW	**Poorly graded fine grained SAND**
			4.3		25				
					26			CL	**Lean CLAY**: light brown; moderate plasticity; trace coarse grained sand
					27				
					28			CL	**Sandy CLAY**: dark grey; 25-35% fine grained sand; moderate plasticity
					29				
			1.4		30			SC	**Clayey SAND**: tan; slight plasticity; ranges from 20 to 40% clay
					31				
					32				
					33				
					34				
					35				
					36				
					37				
					38				
					39				
					40				
					41				
					42				
					43				
					44				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: MW-7
Logged By:	Heather Buckingham	Location:	6700 Santa Rita Rd, Pleasanton	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	11/22/2005	
Drilling Method:	HSA	Hole Diameter:	8"	
Sampling Method:	Geoprobe	Hole Depth:	29'	
Casing Type:	Sch. 40 PVC	Well Diameter:	2"	
Slot Size:	0.001	Well Depth:	29'	
Gravel Pack:	#2/12	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
								AF	2-3" of asphalt
					1				
					2				
		dry		A/K and hand auger				CL	**Lean CLAY with sand**: dark grey; low plasticity 15-25% fine grained sand
					3				
					4				
					5				
		damp	2.3						(same as above, low to moderate plasticity; roots)
					6				
					7				(same as above, light grey mottling; mod. plasticity)
					8				
					9				
Grout					10				
			1.4						(same as above, brown mottling, ~10% fine grained sand)
					11				
					12				
					13				
					14				
			1.8		15				
					16			CL	**Sandy Lean CLAY**, medium brown, moderate plasticity, 25-35% very fine grained sand
					17			CL	**Lean CLAY with sand**, same as above, medium brown mottled with light grey
					18				
					19				
			1.4		20				
					21				
Bentonit					22				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: MW-7	
Logged By:	Heather Buckingham	Location:	6700 Santa Rita Rd, Pleasanton	Page 2 of 2	
Driller:	Gregg Drilling	Date Drilled:	11/22/2005	Location Map	
Drilling Method:	HSA	Hole Diameter:	8"	Please see site map	
Sampling Method:	Geoprobe	Hole Depth:	29'		
Casing Type:	Sch. 40 PVC	Well Diameter:	2"		
Slot Size:	0.001	Well Depth:	29'		
Gravel Pack:	#2/12	Casing Stickup:	N/A		
Elevation		Northing		Easting	

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
						23				Same as above
						24			SC	**Clayey SAND**, medium brown, slight plasticity; 25-35% clay; very fine grained sand
				1.6		25				
						26			CL	**Sandy CLAY**, light brown; 30-40% fine grained sand, moderate plasticity
San			moist			27				
						28				
						29				
				1.8		30			CL	**Lean CLAY** as above
						31				
						32				Terminate GeoProbe boring
						33				
						34				
						35				
						36				
						37				
						38				
						39				
						40				
						41				
						42				
						43				
						44				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-1
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	11/14/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	45'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	

Location Map

Please see site map

Elevation	Northing	Easting

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; ~3-4" base rock
						1				
			damp			2				
						3			CL	**Sandy Lean CLAY**; dark grey, 30-40% medium grained sand; low plasticity
						4				
			damp	0.1	Hand Augered	5			CL	**Lean CLAY wih sand**; medium brown, 10-15% fine grained sand; low to moderate plasticity
						6				
						7				
			moist			8			CL	Same as above (traces of coarse grained sand)
						9				
						10				
				0.8		11				
						12				
						13			CL	**Sandy Lean CLAY**; dark brown with grey mottling, moderate plasticity, 20-30% fine grained sand
						14				
						15				
			moist	0.1		16				
			wet			17			CL	**Lean CLAY with sand** (same as above, orange mottling)
			damp			18				
						19			CL	**Sandy Lean CLAY**; same as above, 25-35% sand
						20				
				0.1		21				
						22				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-1	
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 2 of 2	
Driller:	Gregg Drilling	Date Drilled:	11/14/2005	Location Map	
Drilling Method:	HSA	Hole Diameter:	2-3"	Please see site map	
Sampling Method:	Geoprobe	Hole Depth:	45'		
Casing Type:	N/A	Well Diameter:	N/A		
Slot Size:	N/A	Well Depth:	N/A		
Gravel Pack:	N/A	Casing Stickup:	N/A		
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					23			CL	**Lean CLAY**; tan with orange mottling, trace coarse grained sand
					24				
					25				
		moist	0.1						
		wet			26			SW	**Poorly graded medium grained SAND**; medium brown, 10% fines
		moist						CL	**Lean CLAY**; same as above; trace coarse grained sand
					27				
					28			CL	**Sandy Lean CLAY**; tan, 45-50% fine grained sand; low to moderate plasticity
					29				
		wet							
			0.1		30			SC	**Poorly graded medium grained SAND**; same as above
								CL	**Sandy lean CLAY**, same as above
					31				
					32			CL	**Clayey SAND**; tan, ~20-30% clay; fine grained poorly graded sand, slight plasticity
								CL	**Lean CLAY**; @ 32.2' same as above
					33			CL	**Sandy Lean CLAY**; (as above) @ 33.5, medium grained sand, poorly graded
					34				
					35			SW	**Poorly graded medium grained SAND** (as above)
			0.1						
					36			SC	**Clayey SAND** (as above)
					37			CL	**Sandy Lean CLAY** (as above)
					38			CL	**Lean CLAY** (as above)
					39				
					40			SW	**Fine to medium grained SAND**; poorly graded, medium brown, 10-20% clay
			0.1		41				
					42				
					43				
					44				
					45				(Boring terminated @ 45' bg, water entered right away)
			0.1						

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-2
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	11/16/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	25'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
						1				
						2				
			damp							
						3			CL	**Lean CLAY with gravels**; medium brown, ~15-20% gravel 3/4" in size, moderate plasticity
						4				
					Hand Augered					
			damp	0.1		5				
						6			CL	
						7				**Lean CLAY**; dark brown, trace fine grained sand, moderate to high plasticity
			moist			8				
						9				(color change to dark grey)
			damp	0.1		10			CL	**Lean CLAY with sand**; medium brown with orange mottling; 15-25% fine grained sand, moderate plasticity
						11				
						12				
						13			CL	**Lean CLAY**; brownish grey with light grey mottling (same as above)
						14				
				0.1		15				
						16				
						17				
						18				
						19				
				0.1		20				
						21			SW	**Fine grained poorly graded SAND**; tan, ≤10% fines
						22			CL	**Lean CLAY**; tan (as above)

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-2
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 2 of 2
Driller:	Gregg Drilling	Date Drilled:	11/16/2005	
Drilling Method:	HSA	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	25'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
						23			CL	Continued
						24				
						25				(Boring @ 25' completed at 8:57)
			wet	0.1		26				
						27				
						28				
						29				
						30				
						31				
						32				
						33				
						34				
						35				
						36				
						37				
						38				
						39				
						40				
						41				
						42				
						43				
						44				
						45				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-3
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 1
Driller:	Gregg Drilling	Date Drilled:	11/15/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	20'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
			dry		Hand Augered	2			CL	**Sandy Lean CLAY**; medium brown, 30-40% sand (medium grained), low plasticity
				0.1		5				(same as above, moderate plasticity)
			damp			8			CL	**Lean CLAY**; dark grey, moderate to high plasticity, trace fine grained sand.
				0.1		10				
				0.1		12			CL	**Lean CLAY with sand**; dark grey with light grey mottling, 15-25% fine grained sand, moderate to high plasticity
				0.1		20				(Lean CLAY with sand to 25' bg --> boring stopped)

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-3
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 2 of 2
Driller:	Gregg Drilling	Date Drilled:	11/16/2005	
Drilling Method:	HSA	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	25'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
						23			CL	Continued
						24				
						25				(Boring @ 25' completed at 8:57)
			wet	0.1		26				
						27				
						28				
						29				
						30				
						31				
						32				
						33				
						34				
						35				
						36				
						37				
						38				
						39				
						40				
						41				
						42				
						43				
						44				
						45				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-4
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	11/14/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	45'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~7" of concrete; 2-3" base rock
						1				
						2				
			dry						CL	**Sandy Lean CLAY**; medium brown, low plasticity, 30-40% medium grained sand (dry)
						3				
						4				
			dry	0.1	A/K Hand Augered	5			CL	**Lean CLAY**; medium brown, low to medium plasticity, trace fine grained sand
						6				
			moist			7				(same as above)
			wet			8				Changed color @ 7.5 to dark brown
						9				
						10				No recovery
						11				
						12				
			damp			13				
						14				
				0.1		15				(Same as above)
						16				
						17				(Same as above, trace coarse grained sand)
						18				
						19				
				0.1		20				
			moist			21			CL	**Lean CLAY with sand**; light brown, 15-25% fine grained sand, moderate plasticity
						22			CL	

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-4
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 2 of 2
Driller:	Gregg Drilling	Date Drilled:	11/14/2005	
Drilling Method:	HSA	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	45'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
		damp			23			CL	Continued: **Lean CLAY** as above; trace snads, moderate to high plasticity
					24				
					25				
			0.1		26				(same as above; tan)
					27				
					28				
		moist			29			SC	**Clayey SAND**; tan, poorly graded, very fine grained, 30-40% clay, slight plasticity
					30			CL	**Sandy CLAY** (@ 29.1'); tan, 25-35% fine grained sand moderate plasticity
			0.1		31			SC	**Clayey SAND**; same as above
					32				
		wet			33				
					34				
					35				
			0.1		36				
					37			SW	**Poorly graded medium grained SAND**
					38				
					39				
			0.1		40				
					41				
					42			SW	Same as above
					43				
					44				
			0.1		45				Boring terminated at 45 feet

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-5
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 1
Driller:	Gregg Drilling	Date Drilled:	11/16/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	16'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~7" of concrete; 2-3" base rock
						1				
						2				
			damp		A/K & Hand Auger				CL	**Sandy Lean CLAY**; medium brown, slight to low plasticity, 30-40% medium grained sand
						3				
						4				
									SC	**Clayey SAND**; tannish, slight plasticity, 40-45% clay, 55-60% fine grained poorly graded sand
			damp	0.1		5				
						6				
						7				
						8			CL	**Lean CLAY**; dark brown, trace fine grained sands, moderate to high plasticity
						9				
						10				
			moist	0.1		11			CL	**Sandy CLAY**; tan, 20-30% fine grained sand, moderate plasticity
						12				
						13			CL	**Lean CLAY**; dark brown, moderate to high plasticity, trace fine grained sand
						14				
						15				
				0.1		16				Boring @ 16' finished (dry)
						17				
						18				
						19				
						20				
						21				
						22				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-6
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 1
Driller:	Gregg Drilling	Date Drilled:	11/15/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	15'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
			damp		A/K & Hand Auger	2			CL	**Sandy Lean CLAY**; medium brown, 30-40% medium grained sand, low plasticity
			damp	0.1		5			CL	**Lean CLAY with sand**; tannish brown, 15-25% fine grained sand, moderate plasticity
			moist	0.1		10				
				0.1		13			CL	**Lean CLAY**; dark brown, trace coarse sand, moderate to high plasticity
						15				Boring finished @ 15'

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-7
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	11/15/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	45'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
						1				
						2				
			moist		Hand Augered				CL	**Sandy Lean CLAY**; dark brownish grey, 25-30% medium grained sand, low to moderate plasticity
						3				
						4				
			damp	0.1		5			CL	**Lean CLAY**; dark brownish grey, trace fine grained sand, moderate plasticity
						6				
						7				
						8				
						9				
						10				
				0.4						
			moist			11			CL	(same as above, medium brown)
						12				
						13				
			damp							
						14				
						15				
				0.1						
						16				
						17			CL	**Lean CLAY with sand**; dark brown, 10-20% fine to medium grained sand, moderate plasticity
						18				
						19				
						20				
				0.1						
						21				
						22			CL	**Sandy Lean CLAY**; dark brown, 25-35% medium grained sand, moderate plasticity

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-7
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 2 of 2
Driller:	Gregg Drilling	Date Drilled:	11/15/2005	
Drilling Method:	HSA	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	45'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
		damp			23			CL	Continued: same as above; tan
					24				
					25				
			0.1						
					26			CL	**Lean CLAY**; (same as above) tan, moderate plasticity, trace coarse grained sand
					27				
					28				
		moist							
					29				
					30			CL	**Sandy CLAY**; tan, 35-45% sand, low plasticity
			0.1						
					31				
					32				**Clayey SAND**; 20-30% clay, fine grained sand poorly
		wet						SC	graded, slight plasticity
					33			CL	**Lean CLAY**; (as above) @ 32.2'
					34			SW	**Medium grained SAND**
			0.1		35				
					36			CL	**Lean CLAY with sand**; tan, 15-20% clay, low to moderate plasticity
					37				
					38				
					39			SC	**Clayey SAND**; light brown, fine grained poorly graded, slight plasticity
			0.1		40				
					41			CL	**Sandy CLAY**; light brown, 25-35% fine grained sand, low to moderate plasticity
					42				
					43			SC	**Fine grained SAND with clay**; tan, 10-20% clay, poorly graded, slight plasticity, fine grained sand
					44				
			0.1		45				Boring terminated at 45 feet

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-8
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 1
Driller:	Gregg Drilling	Date Drilled:	11/15/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	16'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
			moist		Hand Augered	2			GC	**Clayey GRAVEL**; brown well-graded gravel, 30-40% clay
			damp	0.1		5			CL	**Lean CLAY with sand**; brownish grey, trace gravels low plasticity
				0.1		10				
			moist damp			11				(same as above, no trace gravels)
						13			CH	**Fat CLAY**; dark grey mottled with light grey, trace fine grained sands
				0.1		15				
						16				Boring finished @ 16'

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-9
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 1
Driller:	Gregg Drilling	Date Drilled:	11/16/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	16'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
			dry		Hand Augered	2			SC	**Clayey SAND**; tan, slight plasticity, well graded sand, trace gravels up to 1"
				0.1		5			CL	**Lean CLAY**; dark grey, low to moderate plasticity, trace gravels up to 3/4"
			damp	0.1		8				(same as above, no trace gravels, moderate to high platicity)
			damp	0.1		12			CL	**Lean CLAY**; medium brown, moderate plasticity, ≤10% fine grained sand
						16				Boring finished @ 16'

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-10
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 1
Driller:	Gregg Drilling	Date Drilled:	11/16/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	16'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
			damp		Hand Augered	1				
						2			CL	**Lean CLAY with sand**; medium brown, moderate plasti-
						3				city, 15-20% medium grained sand, trace gravels ~3/4"
						4				
				0.1		5				(same as above; dark grey)
						6				
						7				
						8				
						9				
				0.1		10				(same as above mottled with light grey)
						11				
						12				
						13				
						14				
				0.1		15				
						16				Boring finished @ 16'
						17				
						18				
						19				
						20				
						21				
						22				

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-11
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	11/14/2005	
Drilling Method:	Direct Push	Hole Diameter:	2-3"	
Sampling Method:	Geoprobe	Hole Depth:	45'	
Casing Type:	N/A	Well Diameter:	N/A	
Slot Size:	N/A	Well Depth:	N/A	
Gravel Pack:	N/A	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
									AF	~8" of concrete; 2-3" base rock
						1				
						2				
			damp						CL	**Sandy Lean CLAY**; dark brown, low plasticity, 30-40% medium grained sand
						3				
						4				
					A/K Hand Augered	5			CL	**Lean CLAY**; grey, moderate to high plasticity, trace fine grained sand
				0.1		6				
						7				
						8				
						9				
						10				(same as above)
				0.1		11				
			damp							
			moist			12			CL	**Lean CLAY**; brown, trace gravles, moderate plasticity
			damp			13				
						14				(same as above)
						15				
				0.1		16			CL	**Sandy CLAY**; brown mottled with light grey, 25-35% medium grained sand, moderate plasticity
						17			CL	**Lean CLAY with sand**; 15-25% fine to medium grained sand, moderate plasticity
						18				
						19				
						20				
				0.1		21				
						22			CL	Continued

Delta

Environmental Consultants, Inc.

Project No:	SJ67-50S-1	Client:	Shell Oil Products US	Well No: B-11	
Logged By:	Heather Buckingham	Location:	6750 Santa Rita Rd, Pleasanton	Page 2 of 2	
Driller:	Gregg Drilling	Date Drilled:	11/14/2005	Location Map	
Drilling Method:	HSA	Hole Diameter:	2-3"	Please see site map	
Sampling Method:	Geoprobe	Hole Depth:	45'		
Casing Type:	N/A	Well Diameter:	N/A		
Slot Size:	N/A	Well Depth:	N/A		
Gravel Pack:	N/A	Casing Stickup:	N/A		
Elevation		Northing		Easting	

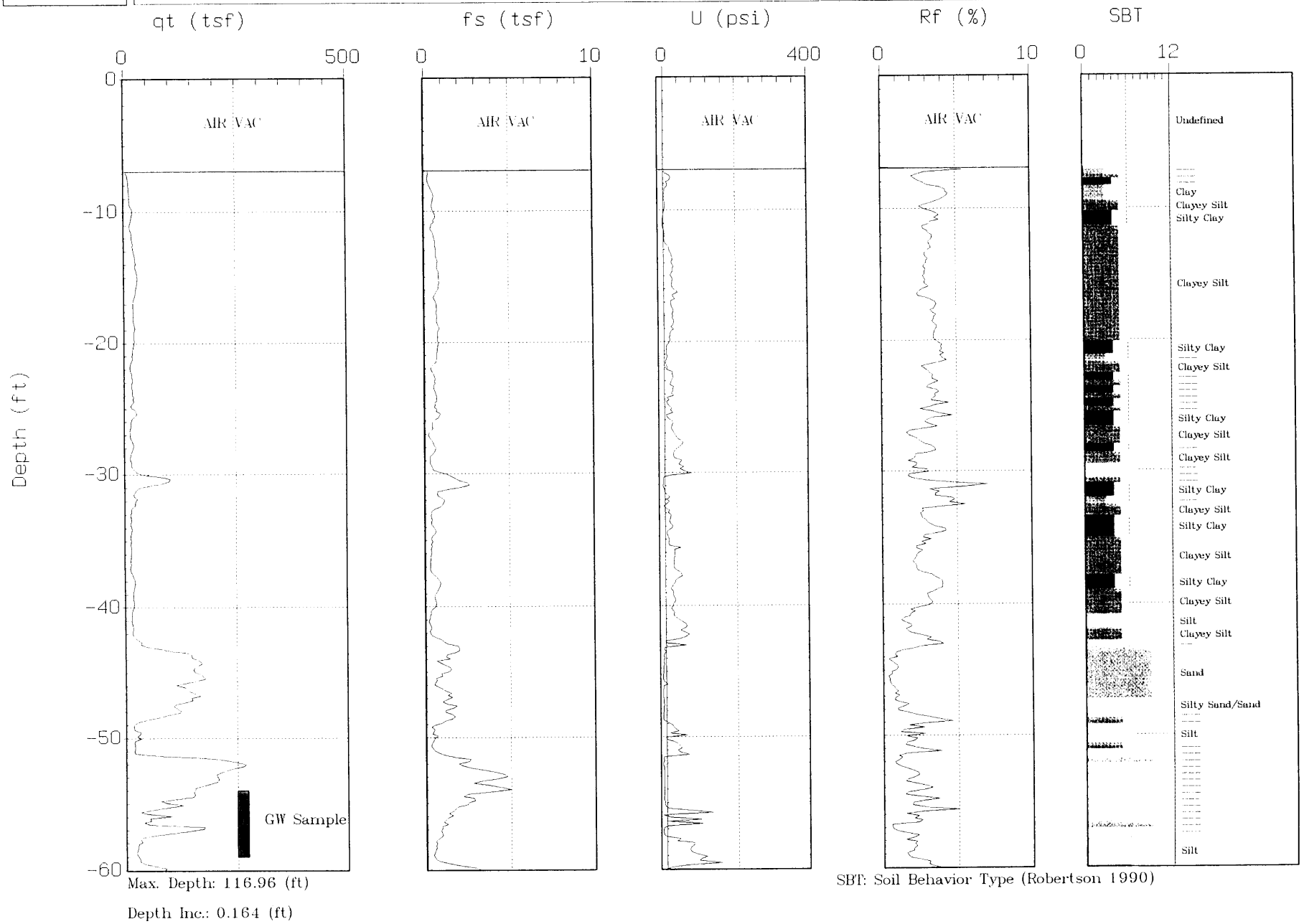
Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
						23			SC	**Clayey SAND**; tan, fine grained poorly graded, 25-35% clay, slight plasticity
						24			CL	**Sandy CLAY**; tan, 35-45% fine grained sand, moderate plasticity
				1.3		25			SW	**Medium grained poorly graded SAND**; trace fines 5-15%
									CL	**Sandy CLAY** (same as above)
						26			SW	**Medium grained SAND** (same as above)
									CL	**Sandy CLAY** (same as above)
						27				
						28				
						29				
			moist	0.5		30			SW	**Poorly graded very fine grained SAND**; 10-15% fines
						31				
						32			CL	**Sandy CLAY** (same as above)
						33				
										Poorly graded medium grained SAND; tan to medium
			wet			34			SW	brown, 10-15% fines
									CL	**Lean CLAY** (same as above)
				1.8		35				
						36				
						37			SW	**Poorly graded medium grained SAND**; tan, trace gravels
						38				
						39				
				0.1		40				
						41				
						42				
						43				
						44				
						45			CL	**Sandy CLAY** (same as above)
				0.1						Boring terminated at 45 feet

GREGG

DELTA

Site : 6750 SANTA RITA
Location : CPT-01

Geologist : D. ARNOLD
Date : 12:18:03 08:33



Max. Depth: 116.96 (ft)

Depth Inc.: 0.164 (ft)

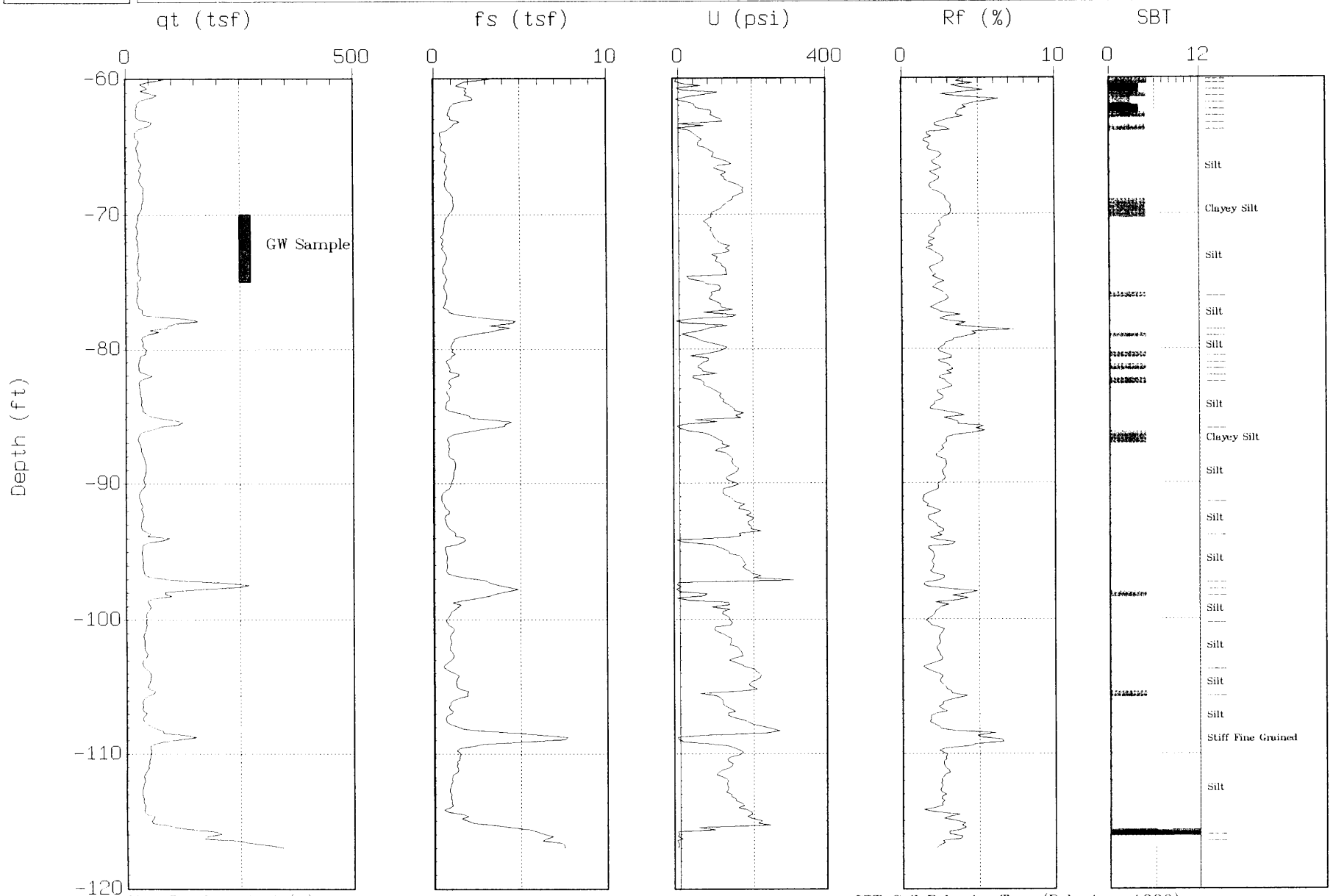
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA

Site : 6750 SANTA RITA
Location : CPT-01

Geologist : D. ARNOLD
Date : 12:18:03 08:33



Max. Depth: 116.96 (ft)

Depth Inc.: 0.164 (ft)

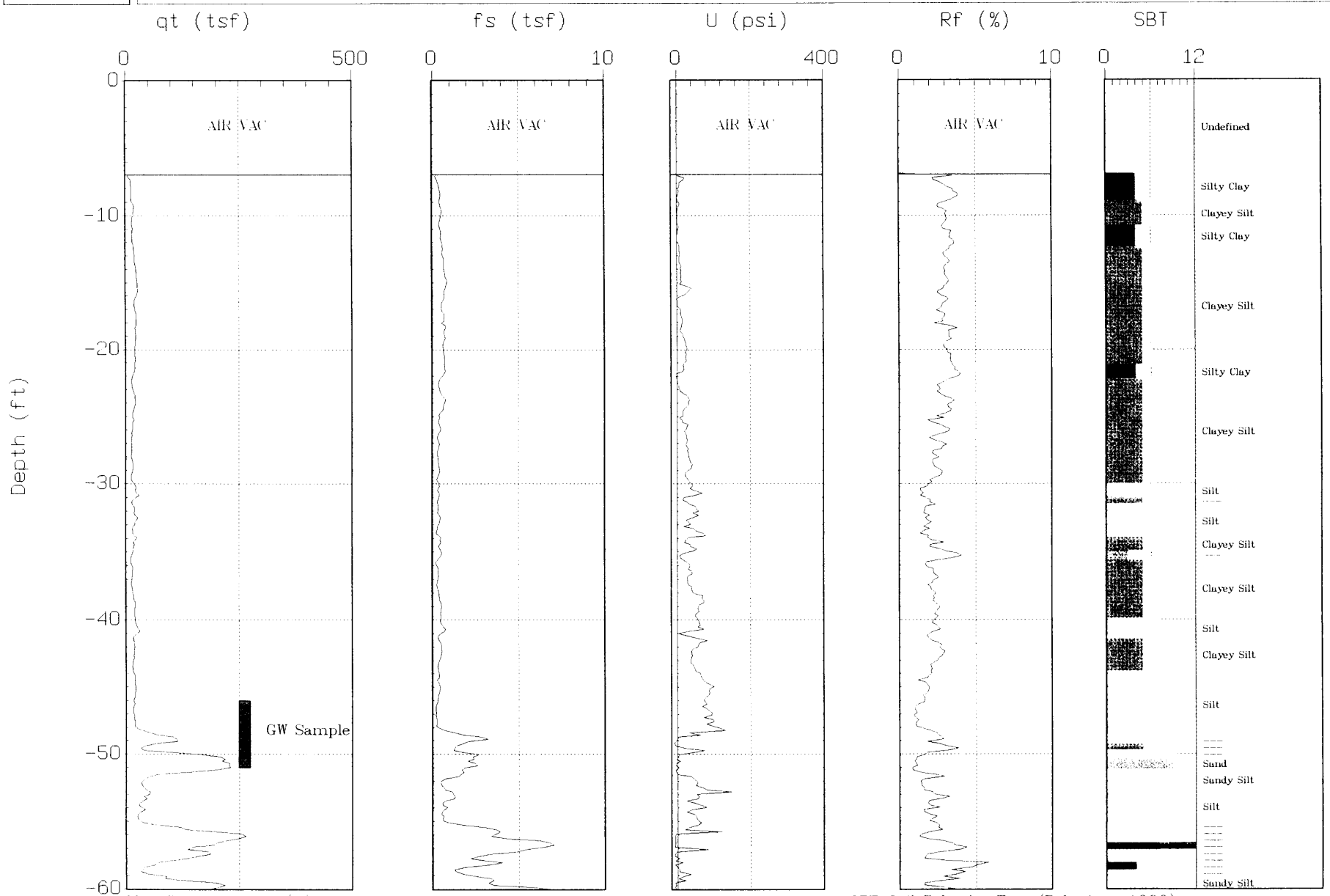
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA

Site : 6750 SANTA RITA
Location : CPT-02

Geologist : D. ARNOLD
Date : 12:19:03 09:54



Max. Depth: 105.15 (ft)

Depth Inc.: 0.164 (ft)

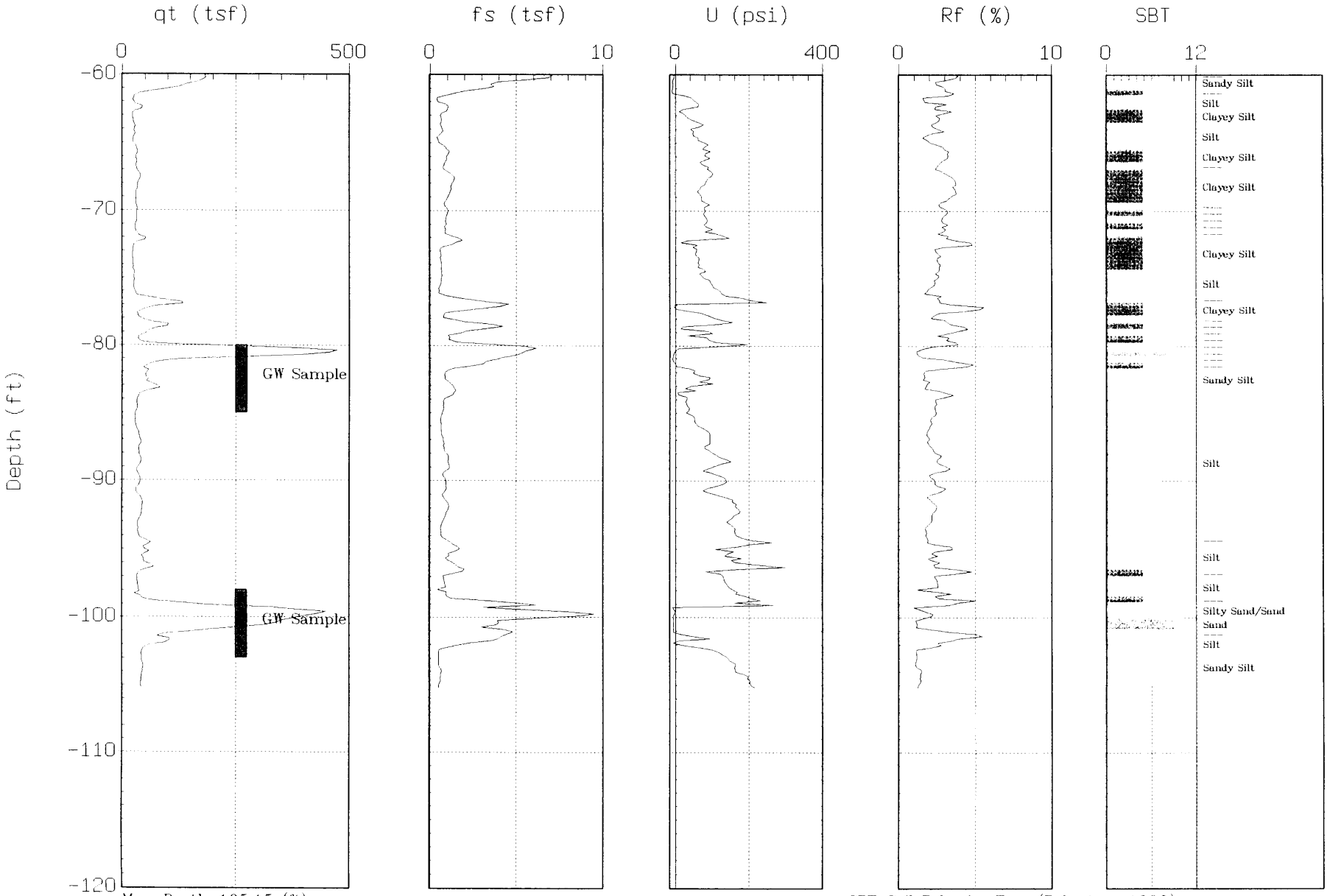
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA

Site : 6750 SANTA RITA
Location : CPT-02

Geologist : D. ARNOLD
Date : 12:19:03 09:54



Max. Depth: 105.15 (ft)

Depth Inc.: 0.164 (ft)

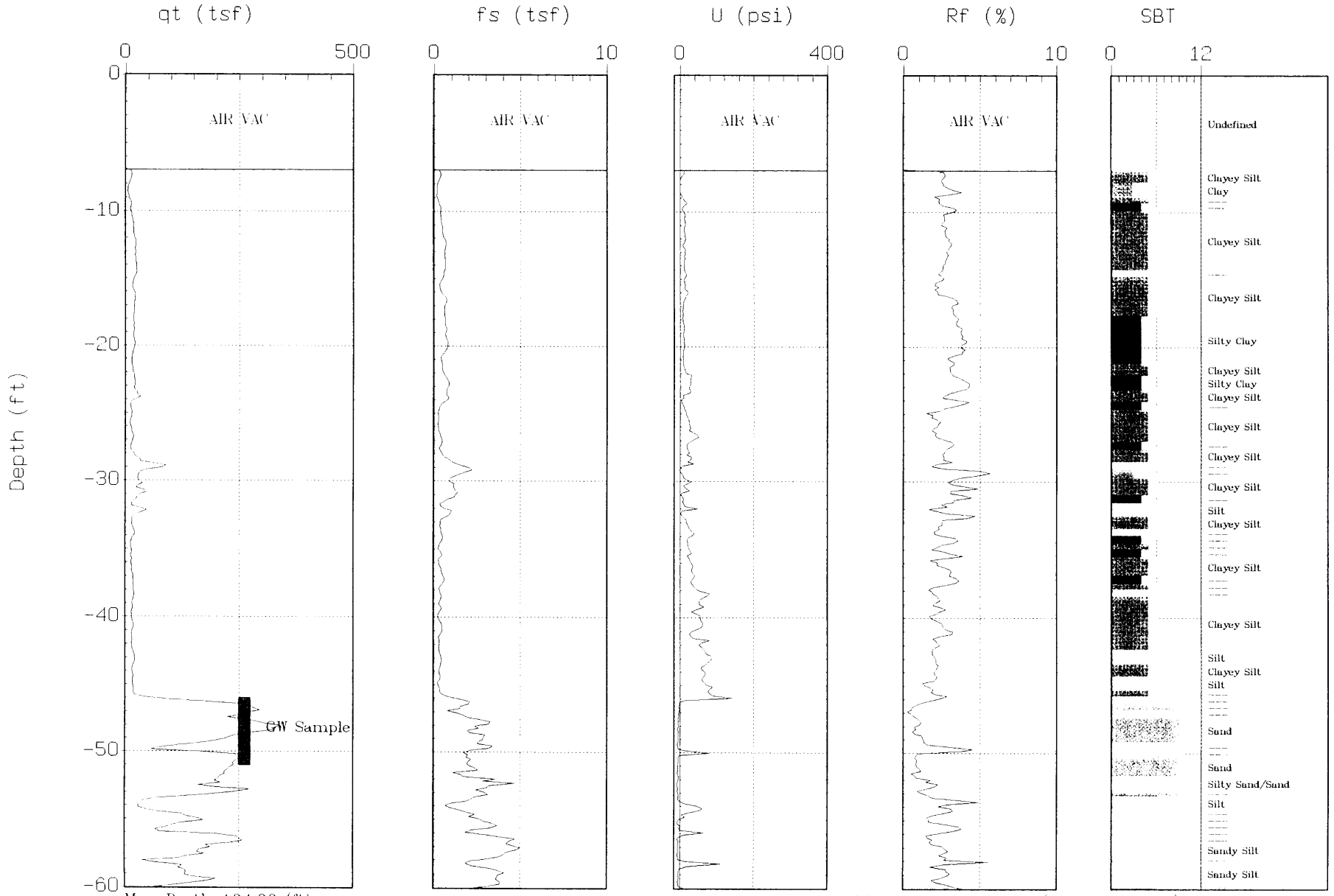
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA

Site : 6750 SANTA RITA
Location : CPT-03

Geologist : D. ARNOLD
Date : 12:18:03 14:13



Max. Depth: 104.00 (ft)

Depth Inc.: 0.164 (ft)

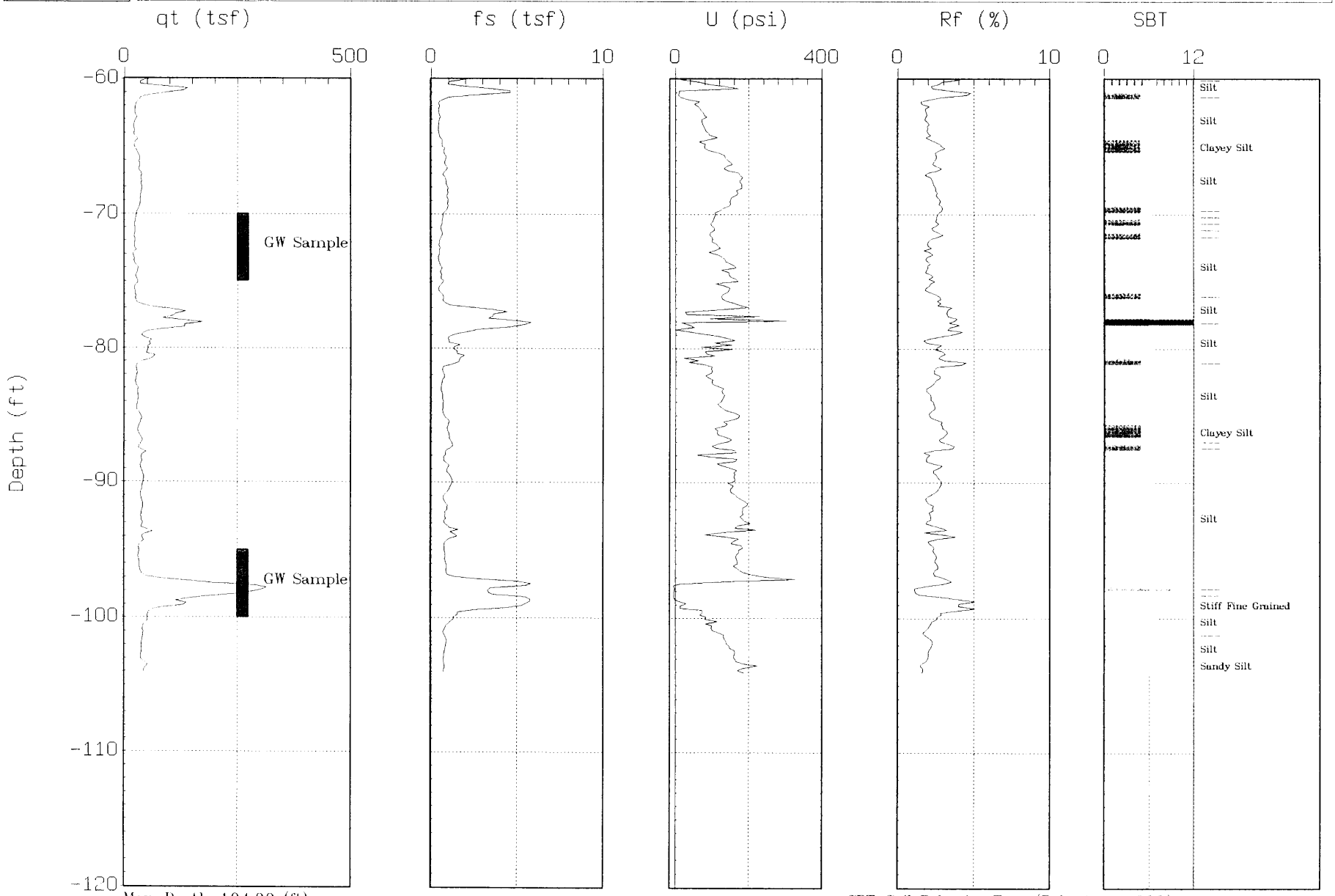
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA

Site : 6750 SANTA RITA
Location : CPT-03

Geologist : D. ARNOLD
Date : 12:18:03 14:13



Max. Depth: 104.00 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

N

Pimlico Drive

Median

Sign

Air/Water Dispenser

Trash Compound

Grass (typ)

Vacuum

UST Complex

Santa Rita Road

MW-1 (400 ug/l)

MW-2 (4,500 ug/l)

Dispenser

Canopy

Store

Storage

Carwash

Baker's Square Restaurant

Trash Compound

Restrooms

Nearest LUFT site 2,100 ft.: East Bay BMW

MW-4 (40 ug/l)

CPT-1 (<0.50 ug/l)

MW-3 (9,800 ug/l)

Sign

Domestic Well 1870 feet Well 3S/1E 5R1

Entrance to Shopping Center

Groundwater Flow Direction

Water Supply Well 3,000 feet Zone 7 Water Agency Stoneridge Well 01

Sign

MW-5

CPT-3 (18 ug/l)

Coffee Shop

CPT-2 (<0.50 ug/l)

A

A'

Above Ground Water District Piping

Fence for Delivery Trucks

Trash Compound

Planter (typ)

Shopping Center

Trees and Bushes (typ)

LEGEND

CPT-1 — **CPT BORINGS**

MW-5 — **PROPOSED GROUNDWATER MONITORING WELL**

MW-1 — **EXISTING GROUNDWATER MONITORING WELL**

(18 ug/l) — **MTBE CONCENTRATION IN 50-FOOT GROUNDWATER ZONE (MONITORING WELLS SAMPLED ON 1/6/04) (HYDROPUNCH SAMPLES COLLECTED ON 12/18-19/03)**

A — A' — **LINE OF GEOLOGIC CROSS-SECTION**

0 ft. 50 ft. 100 ft.

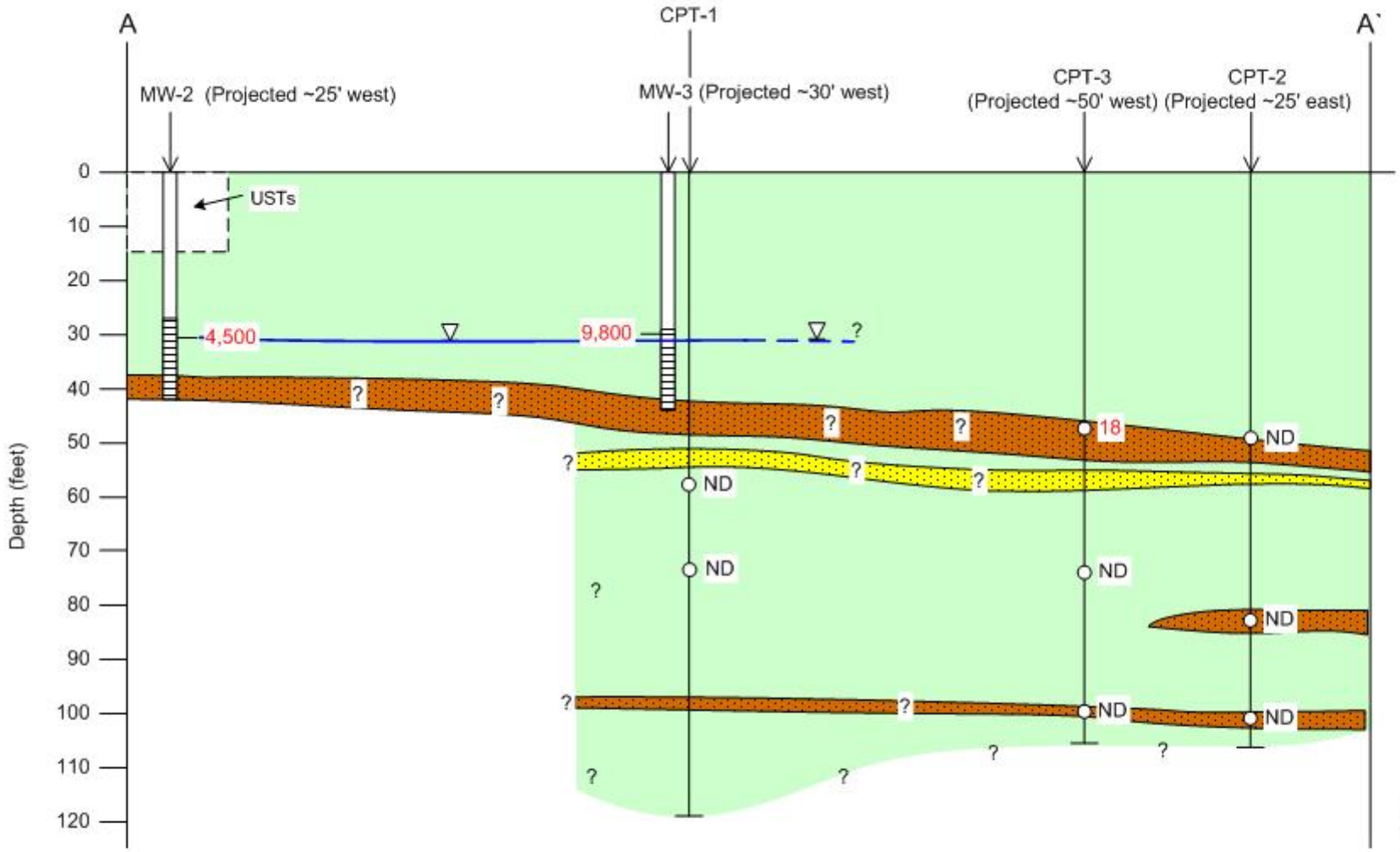
FIGURE 2

SITE AREA MAP

SHELL BRANDED SERVICE STATION
6750 Santa Rita Road
Pleasanton, California

PROJECT NO. SJ67-50S-1.2004	DRAWN BY VF
FILE NO. SJ67-50S-1.2001	PREPARED BY
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

- GROUNDWATER MONITORING WELL
- WELL SCREEN INTERVAL
- CPT BORING
- HYDROPUNCH WATER SAMPLE
- 500 MTBE CONCENTRATION (UG/L)
- ND NOT DETECTED AT LABORATORY REPORTING LIMIT
- WATER TABLE, 1/6/04
- SILTY AND CLAYEY SOILS
- SANDS AND SILTY SANDS
- SILTY SANDS AND SANDY SILTS

FIGURE 3

GEOLOGIC CROSS-SECTION

SHELL-BRANDED SERVICE STATION
6750 Santa Rita Road
Pleasanton, California

PROJECT NO. SJ67-50S-1.2004	DRAWN BY V. F. 2/17/04
FILE NO. SJ67-50S-1.2004	PREPARED BY V. F.
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

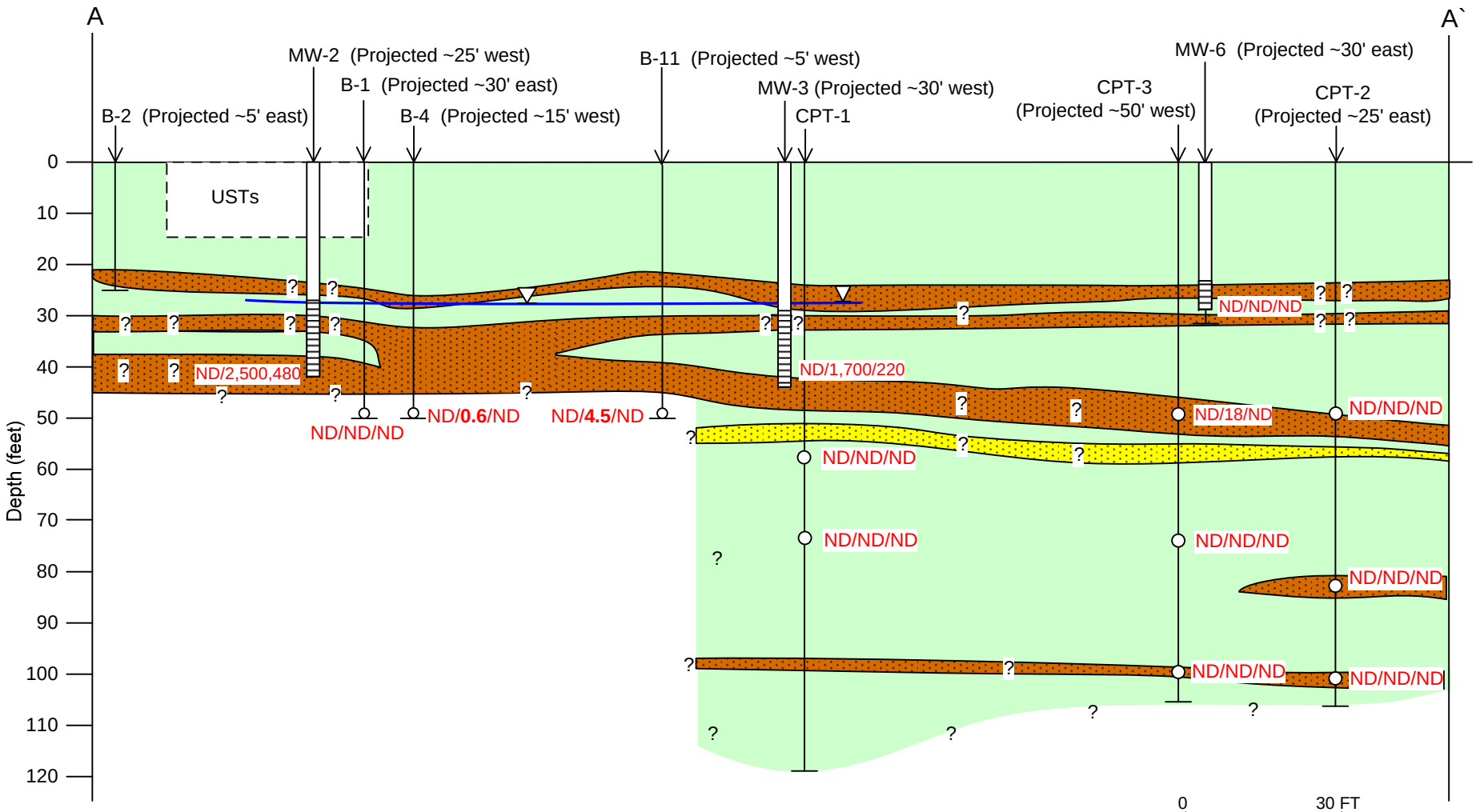
FIGURE 2

SITE AREA MAP

SHELL BRANDED SERVICE STATION
6750 Santa Rita Road
Pleasanton, California

PROJECT NO. SJ67-50S-1.2005	DRAWN BY JL 12/21/05
FILE NO. SJ67-50S-1.2005	PREPARED BY HB
REVISION NO. 1	REVIEWED BY DA

Delta Environmental Consultants, Inc.



LEGEND

- GROUNDWATER MONITORING WELL
- WELL SCREEN INTERVAL
- CPT BORING
- HYDROPUNCH WATER SAMPLE
- ND/2,500/400 — TPH-G/MTBE/TBA CONCENTRATIONS (UG/L)
- ND — NOT DETECTED AT LABORATORY REPORTING LIMIT
- WATER TABLE, 10/20/04

- SILTY AND CLAYEY SOILS
- SANDS AND SILTY/CLAYEY SANDS
- SILTY SANDS AND SANDY SILTS

FIGURE 3

REVISED GEOLOGIC CROSS-SECTION A-A'

SHELL-BRANDED SERVICE STATION
6750 Santa Rita Road
Pleasanton, California

PROJECT NO. SJ67-50S-1.2005	DRAWN BY JL 12/16/05
FILE NO. SJ67-50S-1.2005	PREPARED BY HB
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.

APPENDIX D

HISTORICAL REMEDIATION SYSTEM DATA

Site: __6750 Santa Rita___MW-2_____

Date	Time	Time to fill (sec.)	Bottle (oz.)	GPM*	Tank DTW	Sample Taken	Totalizer	Approx.Gallons Pumped	Approx. Gallons in tank	Comments
03/28/06	12:50	20	12	0.28	135.00	N	x	0	0	START
03/28/06	15:40	23	12	0.24	135.00	**YES**	x	50	50	Sample
03/30/06	9:50	14	12	0.40	x	N	x	900	900	OFF to use controller at 8999 S.R.
03/30/06	14:00	17	12	0.33	x	N	108	900	900	RESTART, Meter installed 108 gal
04/03/06	10:15	12	12	0.47	68	N	2457	3249	3249	Check OK
04/04/06	7:10	12	12	0.47	56	N	3025	3817	3817	Vac Truck scheduled at 7:00
04/04/06	9:00	x	x	0.47	135	N	3074	3866	0	Vac Truck completed at 9:00
04/10/06	9:15	11	12	0.51	46.5	**YES**	7507	8299	4450	Check OK and sample
04/10/06	9:42	14	12	0.40	135	N	7521	8313	50	Vac Truck Complete
04/13/06	16:00	x	x	x	x	N	9346	10138	1900	Down system, Ramp damage, OFF
04/17/06	14:26	12	12	0.47	97	N	9346	10138	1900	New ramp bolts, Restart
04/19/06	14:45	12	12	0.47	74	N	10490	11282	3050	Check OK
04/21/06	17:04	x	x	0.50	116.5	N	11743	12535	925	Vac Truck visit AM
04/24/06	12:15	x	x	0.50	81.5	**YES**	13460	14252	2675	Check OK and sample
04/28/06	12:11	x	x	x	26	N	16234	17026	5450	Auto Stop Tank Full
05/02/06	10:10	12	12	0.5	104	**YES**	16249	17041	1550	Restart and sample after VAC visit
05/04/06	11:46	11	12	0.5	75	N	17870	18662	3000	Check OK
05/08/06	10:58	x	x	x	15	N	20919	21711	6000	Auto Stop Tank Full
05/11/06	11:35	15	12	0.38	86.5	N	20919	21711	2425	Restart at slower GPM. 1 truck load
05/19/06	x	x	x	x	x	N	x	x	x	One Vac Trcuk load
05/22/06	14:27	24	12	0.23	74	**YES**	25208	26000	3050	Sample, system up, adjust gpm 0.38
05/24/06	7:30	12	12	0.47	0	N	26094	26886	0	Two Vac Truck loads (empty tank)
06/02/06	?	14	12	0.40	45	**YES**	30659	31451	0	One Vac Trcuk load (now empty tank)
06/09/06										vac-truck scheduled
06/16/06	8:25	13.5	12	0.42	95	**YES**	38211	39918		vac-truck scheduled, sampling performed, ramp damage - system dismantled
Totals										

* gpm is calculated by the following calculation: ((Size of container (oz.)) / (# of seconds to fill container)) * (60 sec. / 1 min) *(1 gal / 128 oz.)
gpm can be calculated from timing totalizer, eg. time for 1/10 gal.

Table 1
Summary of Groundwater Data
(MW-1 through MW-4)
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, California

Well Designation	Sample Name	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethly-benzene (ug/l)	Xylene (ug/l)	TBA (ug/l)	MTBE (ug/l)
MW-1	**MW-1 5 GAL**	7/30/2004	<1000	<10	<10	<10	<10	**830**	**1,400**
	MW-1 125 GAL	8/2/2004	<500	<5.0	<5.0	<5.0	<10	**910**	**840**
	MW-1	8/5/2004	<500	<5.0	<5.0	<5.0	<10	<50	**770**
	MW-1	8/11/2004	<500	<5.0	<5.0	<5.0	<10	**430**	**770**
Quarterly	**MW-1**	4/6/2004	<1300	<13	<13	<13	<25	**3,500**	**3,300**
Sampling		7/30/2004	<1300	<13	<13	<13	<25	**600**	**1,000**
		10/7/2004	<250	<2.5	<2.5	<2.5	<5	**390**	**530**
		1/26/2005	<250	<2.5	<2.5	<2.5	<5	**130**	**320**
		4/14/2005	<150	<1.5	<1.5	<1.5	<1.5	**260**	**720**
		7/29/2005	<50	<0.50	<0.50	<0.50	<1.0	**150**	**270**
		10/20/2005	<250	<2.5	<2.5	<2.5	>5.0	<25	**39**
		1/27/2006	<50	<0.500	<0.500	<0.500	<0.500	<10.0	**30.1**
		4/20/2006	<50	<0.500	<0.500	<0.500	<0.500	**12.4**	**16.9**
MW-2	**MW-2 25 GAL**	7/20/2004	<2500	<25	<25	<25	<50	**3,500**	**3,500**
	MW-2 600 GAL	7/23/2004	<2500	<25	<25	<25	<50	**3,100**	**3,300**
	MW-2 1300 GAL	7/27/2004	<2500	<25	<25	<25	<50	**2,400**	**2,800**
	MW-2 1925 GAL	7/30/2004	<2000	<20	<20	<20	<40	**2,100**	**2,000**
	MW-2 11 GAL	1/18/2005	<2500	<25	<25	<25	<50	**4,000**	**5,200**
	MW-2 2950 GAL	1/31/2005	<2500	<25	<25	<25	<50	**850**	**1,300**
	MW-2 50 GAL	9/26/2005	<1000	<10	<10	<10	<20	**280**	**2,600**
	MW-2 475 GAL	10/3/2005	<1000	<10	<10	<10	<20	**370**	**1,800**
	MW-2 1100 GAL	10/7/2005	<500	<5.0	<5.0	<5.0	<10	**130**	**1,300**
	MW-2 50 GAL	**3/28/2006**	**3,730**	<0.500	**10.5**	**3.74**	**39.4**	**29.8**	**1,410**
	MW-2 8300 GAL	**4/10/2006**	**243**	<0.500	**0.750**	<0.500	<0.500	**29.5**	**38.1**
	MW-2 14250 GAL	**4/24/2006**	<50.0	<0.500	**0.530**	<0.500	**0.570**	**16.0**	**274**
*	**MW-2 17050 GAL**	**5/2/2006**	<500	<5.0	<5.0	<5.0	**13**	<200	**420**
	MW-2 26000 GAL	**5/22/2006**	**552**	<0.500	<0.500	<0.500	**2.46**	<10.0	**227**
	MW-2 31450 GAL	**6/2/2006**	**50.7**	<0.500	<0.500	<0.500	**0.72**	<10.0	**194**
	MW-2 39000 GAL	**6/16/2006**	<50.0	<0.500	<0.500	<0.500	<0.500	<10.0	**180**
Quarterly	**MW-2**	4/6/2004	<2000	<20	<20	<20	<40	**5,100**	**4,600**
Sampling		7/30/2004	<500	<5.0	<5.0	<5.0	<10	**950**	**1,000**
		10/7/2004	<2500	<25	<25	<25	<50	**6,500**	**6,300**
		1/26/2005	<1300	<13	<13	<13	<25	**2,300**	**2,100**
		4/14/2005	<500	<5.0	<5.0	<5.0	<5.0	**1,100**	**2,400**
		7/29/2005	<2500	<25	<25	<25	<50	**1,500**	**3,900**
		10/20/2005	<2500	<25	<25	<25	<50	**480**	**2,500**
		1/27/2006	**2,410**	<0.500	<0.500	<0.500	<0.500	**97.0**	**3,160**
		4/20/2006	<50.0	<0.500	0.880	<0.500	**1.16**	**72**	**278**

Table 1
Summary of Groundwater Data
(MW-1 through MW-4)
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, California

Well Designation	Sample Name	Date Sampled	**TPH-G** (ug/l)	**Benzene** (ug/l)	**Toluene** (ug/l)	**Ethly-benzene** (ug/l)	**Xylene** (ug/l)	**TBA** (ug/l)	**MTBE** (ug/l)
MW-3	**MW-3 @ 30 GAL**	9/2/2004	<1300	<13	<13	<13	<25	**1,700**	**2,000**
	MW-3 @ 250 GAL	9/3/2004	<1300	<13	<13	<13	<25	**1,600**	**2,600**
	MW-3 @ 2300 GAL	9/7/2004	<1000	<10	<10	<10	<20	**1,700**	**2,600**
	MW-3 END	9/10/2004	<1000	<10	<10	<10	<20	**1,600**	**3,600**
Quarterly	**MW-3**	4/6/2004	<5000	<50	<50	<50	<100	**2,100**	**4,200**
Sampling		7/30/2004	<2500	<25	<25	<25	<50	**1,200**	**3,000**
		10/7/2004	<1000	<10	<10	<10	<20	**320**	**860**
		1/26/2005	<500	<5.0	<5.0	<5.0	<10	**250**	**820**
		4/14/2005	<400	<4.0	<4.0	<4.0	<4.0	**590**	**2,200**
		7/29/2005	<2,500	<25	<25	<25	<50	**1,700**	**3,100**
		10/20/2005	<2,000	<20	<20	<20	<40	**220**	**1,700**
		1/27/2006	**808**	<0.500	<0.500	<0.500	<0.500	**39.4**	**736**
		4/20/2006	<50.0	<0.500	<0.500	<0.500	<0.500	**<10.0**	**364**
Quarterly	**MW-4**	4/6/2004	<50	<0.50	<0.50	<0.50	<1.0	<5.0	**16**
Sampling		7/30/2004	<50	<0.50	<0.50	<0.50	<1.0	<5.0	**25**
		10/7/2004	<50	<0.5	<0.5	<0.5	<1.0	<5.0	**35**
		1/26/2005	<250	<2.5	<2.5	<2.5	<5.0	**43**	**450**
		4/14/2005	<50	<0.50	<0.50	<0.50	<0.50	<5.0	**210**
		7/29/2005	<50	<0.50	<0.50	<0.50	<1.0	**11**	**57**
		10/20/2005	<250	<2.5	<2.5	<2.5	<5.0	<5.0	**44**
		1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<10.0	**98.4**
		4/20/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<10.0	**254**

Notes:
All analysis performed by EPA Method 8260B
ug/l = micrograms per liter
TPH-G = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
TBA = Tert-Butanol
* Analytical report refers to sample as S-1, instead of MW-2.

TABLE 2

Groundwater Extraction - Mass Removal Data

Shell-Branded Service Station, Incident #97464711

6750 Santa Rita Rd, Pleasanton, California

					TPH-G			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Sample Date	TPH-G Concentration (ppb)	TPH-G Removed (pounds)	TPH-G Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
07/30/04	MW-1	5	5	07/30/04	<1,000	0.00002	0.00002	<10	0.00000	0.00000	1,400	0.00006	0.00006
08/02/04	MW-1	120	125	08/02/04	<500	0.00025	0.00027	<5.0	0.00000	0.00000	840	0.00084	0.00090
08/05/04	MW-1	50	175	08/05/04	<500	0.00010	0.00038	<5.0	0.00000	0.00000	770	0.00032	0.00122
08/11/04	MW-1	105	280	08/11/04	<500	0.00022	0.00059	<5.0	0.00000	0.00001	770	0.00067	0.00190
05/19/03	MW-2/MW-3	67	347	05/09/03	6,125	0.00342	0.00402	<75	0.00002	0.00003	9,500	0.00531	0.00721
05/31/03	MW-2/MW-3	38	385	05/09/03	6,125	0.00194	0.00596	<75	0.00001	0.00004	9,500	0.00301	0.01022
06/13/03	MW-2/MW-3	58	443	05/09/03	6,125	0.00296	0.00893	<75	0.00002	0.00006	9,500	0.00460	0.01482
06/26/03	MW-2/MW-3	48	491	05/09/03	6,125	0.00245	0.01138	<75	0.00002	0.00007	9,500	0.00381	0.01862
06/30/03	MW-2	20	511	05/09/03	<2,500	0.00021	0.01159	<25	0.00000	0.00007	4,000	0.00067	0.01929
07/31/03	MW-2	60	571	07/08/03	<2,000	0.00050	0.01209	<20	0.00001	0.00008	2,800	0.00140	0.02069
08/29/03	MW-2	25	596	07/08/03	<2,000	0.00021	0.01230	<20	0.00000	0.00008	2,800	0.00058	0.02128
09/22/03	MW-2	25	621	07/08/03	<2,000	0.00021	0.01251	<20	0.00000	0.00008	2,800	0.00058	0.02186
10/28/03	MW-2	45	666	10/03/03	<2,000	0.00038	0.01288	<20	0.00000	0.00009	3,600	0.00135	0.02321
11/24/03	MW-2	21	687	10/03/03	<2,000	0.00018	0.01306	<20	0.00000	0.00009	3,600	0.00063	0.02384
12/29/03	MW-2	43	730	10/03/03	<2,000	0.00036	0.01341	<20	0.00000	0.00009	3,600	0.00129	0.02513
07/20/04	MW-2	25	755	07/20/04	<2,500	0.00026	0.01368	<25	0.00000	0.00009	3,500	0.00073	0.02586
07/23/04	MW-2	575	1,330	07/23/04	<2,500	0.00600	0.01967	<25	0.00006	0.00015	3,300	0.01583	0.04170
07/27/04	MW-2	700	2,030	07/27/04	<2,500	0.00730	0.02697	<25	0.00007	0.00023	2,800	0.01635	0.05805
07/30/04	MW-2	625	2,655	07/30/04	<2,000	0.00522	0.03219	<20	0.00005	0.00028	2,000	0.01043	0.06848
01/20/05	MW-2	421	3,076	01/18/05	<2,500	0.00439	0.03658	<25	0.00004	0.00032	5,200	0.01827	0.08675
01/21/05	MW-2	164	3,240	01/18/05	<2,500	0.00171	0.03829	<25	0.00002	0.00034	5,200	0.00712	0.09387
01/24/05	MW-2	554	3,794	01/18/05	<2,500	0.00578	0.04407	<25	0.00006	0.00040	5,200	0.02404	0.11790
01/26/05	MW-2	377	4,171	01/26/05	<1,300	0.00204	0.04611	<25	0.00004	0.00044	2,100	0.00661	0.12451
01/31/05	MW-2	1,434	5,605	01/31/05	<2,500	0.01496	0.06107	<25	0.00015	0.00059	1,300	0.01556	0.14007
09/26/05	MW-2	50	5,655	09/26/05	<1000	0.00021	0.06128	<10	0.00000	0.00059	2,600	0.00108	0.14115
09/28/05	MW-2	88	5,743	09/26/05	<1000	0.00037	0.06165	<10	0.00000	0.00059	2,600	0.00191	0.14306
09/30/05	MW-2	150	5,893	09/26/05	<1000	0.00063	0.06227	<10	0.00001	0.00060	2,600	0.00325	0.14631
10/03/05	MW-2	187	6,080	10/03/05	<1000	0.00078	0.06305	<10	0.00001	0.00061	1,800	0.00281	0.14912
10/05/05	MW-2	393	6,473	10/03/05	<1000	0.00164	0.06469	<10	0.00002	0.00062	1,800	0.00590	0.15503
10/07/05	MW-2	250	6,723	10/07/05	<500	0.00052	0.06521	<5	0.00001	0.00063	1,300	0.00271	0.15774
03/28/06	**MW-2**	**0**	**6,723**	**03/28/06**	**3,730**	**0.00000**	**0.06521**	**<0.500**	**0.00000**	**0.00063**	**1,410**	**0.00000**	**0.15774**
04/10/06	**MW-2**	**8249**	**14,972**	**04/10/06**	**243**	**0.01673**	**0.08194**	**<0.500**	**0.00002**	**0.00065**	**38.1**	**0.00262**	**0.16036**
04/24/06	**MW-2**	**5953**	**20,925**	**04/24/06**	**<50.0**	**0.00124**	**0.08318**	**<0.500**	**0.00001**	**0.00066**	**274**	**0.01361**	**0.17397**
05/02/06	**MW-2**	**2789**	**23,714**	**05/02/06**	**<500**	**0.00582**	**0.08900**	**<5.0**	**0.00006**	**0.00072**	**420**	**0.00977**	**0.18375**
05/22/06	**MW-2**	**8959**	**32,673**	**05/22/06**	**552**	**0.04127**	**0.13027**	**<0.500**	**0.00002**	**0.00074**	**227**	**0.01697**	**0.20072**
06/02/06	**MW-2**	**5451**	**38,124**	**06/02/06**	**50.7**	**0.00231**	**0.13257**	**<0.500**	**0.00001**	**0.00075**	**194**	**0.00882**	**0.20954**
06/16/06	**MW-2**	**7549**	**45,673**	**06/16/06**	**<50.0**	**0.00157**	**0.13415**	**<0.500**	**0.00002**	**0.00076**	**180**	**0.01134**	**0.22088**

TABLE 2

Groundwater Extraction - Mass Removal Data

Shell-Branded Service Station, Incident #97464711

6750 Santa Rita Rd, Pleasanton, California

					TPH-G			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Sample Date	TPH-G Concentration (ppb)	TPH-G Removed (pounds)	TPH-G Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
06/30/03	MW-3	95	45,768	05/09/03	11,000	0.00872	0.04091	<100	0.00004	0.00032	15,000	0.01189	0.08037
07/31/03	MW-3	180	45,948	07/08/03	<10,000	0.00751	0.04842	<100	0.00008	0.00039	9,500	0.01427	0.09464
08/29/03	MW-3	180	46,128	07/08/03	<10,000	0.00751	0.05593	<100	0.00008	0.00047	9,500	0.01427	0.10891
09/22/03	MW-3	126	46,254	07/08/03	<10,000	0.00526	0.06119	<100	0.00005	0.00052	9,500	0.00999	0.11890
10/28/03	MW-3	123	46,377	10/03/03	<10,000	0.00511	0.06630	<100	0.00005	0.00057	8,800	0.00900	0.12789
11/24/03	MW-3	153	46,530	10/03/03	<10,000	0.00638	0.07268	<100	0.00006	0.00064	8,800	0.01123	0.13913
12/29/03	MW-3	107	46,637	10/03/03	<10,000	0.00446	0.07714	<100	0.00004	0.00068	8,800	0.00786	0.14699
09/02/04	MW-3	30	46,667	09/02/04	<1,300	0.00016	0.07731	<1,300	0.00016	0.00084	2,000	0.00050	0.14749
09/03/04	MW-3	220	46,887	09/03/04	<1,300	0.00119	0.07850	<1,300	0.00119	0.00204	2,600	0.00477	0.15226
09/07/04	MW-3	2,050	48,937	09/07/04	<1,000	0.00855	0.08705	<1,000	0.00855	0.01059	2,600	0.04448	0.19674
09/10/04	MW-3	200	49,137	09/10/04	<1,000	0.00083	0.08789	<1,000	0.00083	0.01143	3,600	0.00601	0.20274
REPORTING PERIOD TOTALS					**Total Pounds Removed:**		**0.069**	**Total Pounds Removed:**		**0.000**	**Total Pounds Removed:**		**0.063**
		Total Gallons Extracted:		**39,000**	**Total Gallons Removed:**		**0.011**	**Total Gallons Removed:**		**0.00002**	**Total Gallons Removed:**		**0.010**
CUMULATIVE TOTALS					**Total Pounds Removed:**		**0.190**	**Total Pounds Removed:**		**0.0119**	**Total Pounds Removed:**		**0.355**
		Overall Total Gallons Extracted:		**49,137**	**Total Gallons Removed:**		**0.031**	**Total Gallons Removed:**		**0.00163**	**Total Gallons Removed:**		**0.057**

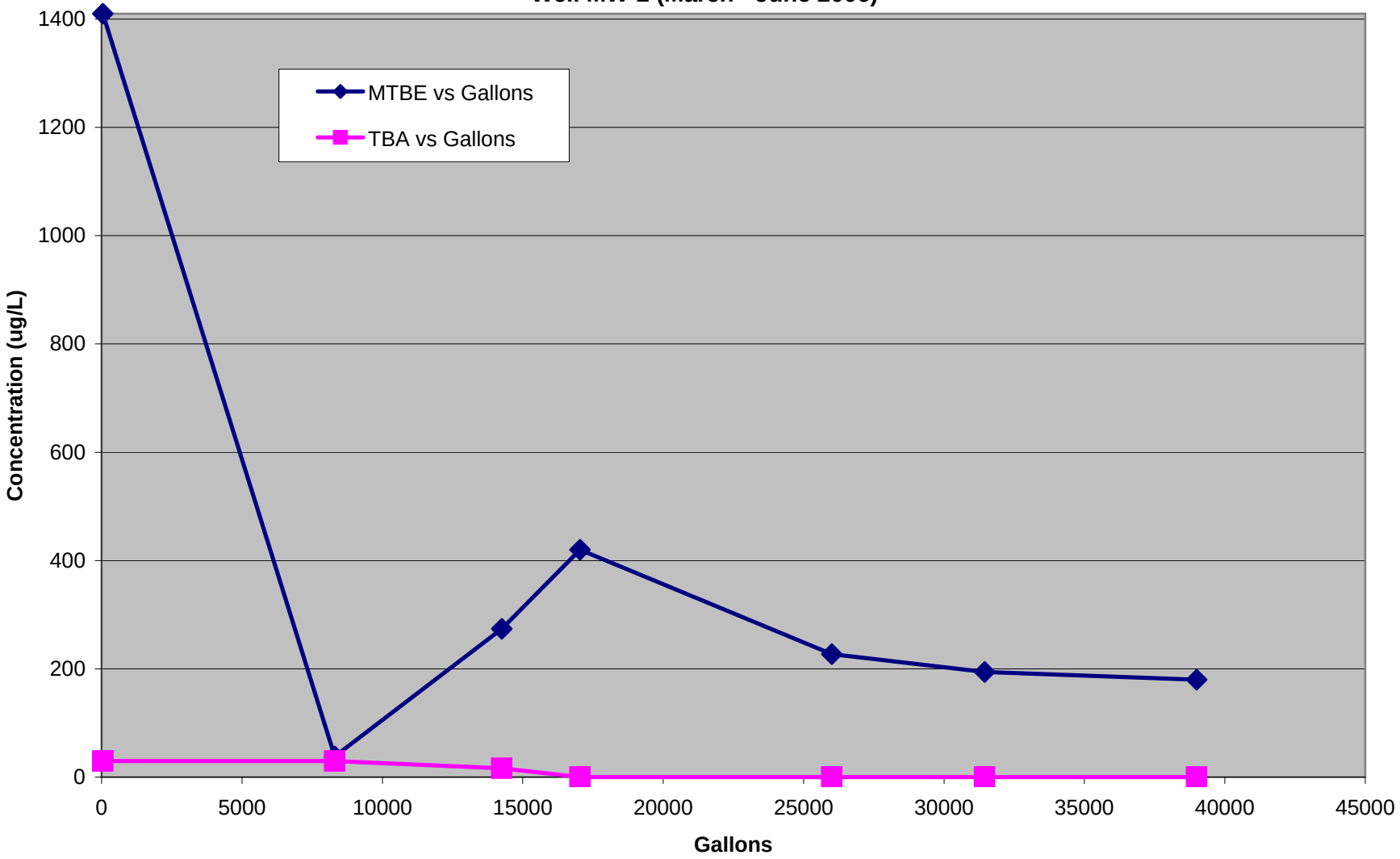
Abbreviations and Notes:

TPH-G = Total purgeable hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
ppb = Parts per billion, equivalent to micrograms per liter (ug/l)
gal = Gallon

Mass removed based on the formula: volume extracted (gal) x Concentration (mg/L) x (g/10^6mg) x (pound/453.6g) x (3.785 L/gal)
Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)

Concentrations based on most recent groundwater monitoring results
If concentration is less than the laboratory detection limit, one half of the detection limit concentration is used in the mass removal calculation.
For combined well numbers, the average concentration was used assuming 1/2 the detection limit for samples less than the detection limit.

FIGURE 4
Oxygenate Concentrations vs Gallons Extracted
Well MW-2 (March - June 2006)

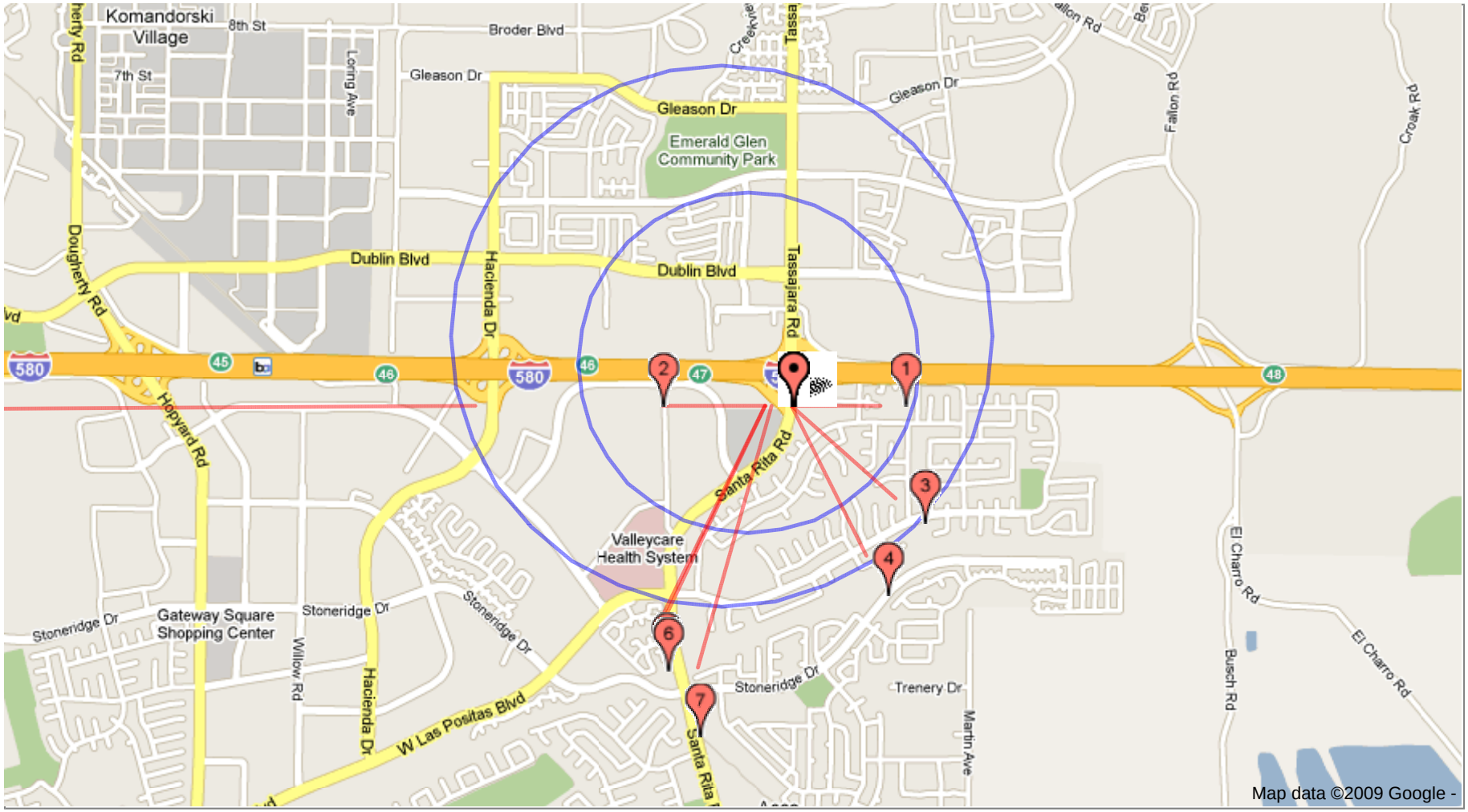


APPENDIX E

SENSITIVE RECEPTOR DATA

Site #135786

Note:
All distances are approximate
Only the closest 100 receptors are displayed
Receptors without a latitude and longitude will not be displayed



	Name	Type	Latitude	Longitude	Office Identified	Owner Verified	Field Verified	Distance (Approx)

1	Drainage Canal	Surface Water Body	37.700	-121.866	No	No	Verified	1733.75 FT
2	Tassajara Creek	Surface Water Body	37.700	-121.879	Yes	No	Verified	2022.71 FT
3	Arroyo Mocho Canal	Surface Water Body	37.695	-121.865	Yes	No	Verified	2725.06 FT
4	Stoneridge Well 01	Drinking Water Well - Public/Municipal	37.692	-121.867	Yes	No	Verified	3259.38 FT
5	Well 01-03S/01E-08H02 M	Drinking Water Well - Private NOT Single Family Residence	37.6889802	-121.8787879	Yes	No	Attempted	4477.07 FT
6	Well 02-03S/01E-08H03 M	Drinking Water Well - Private NOT Single Family Residence	37.6887603	-121.8786779	Yes	No	Attempted	4535.78 FT
7	Mocho Well 02-03S/01E-09M03 M	Drinking Water Well - Public/Municipal	37.686	-121.877	Yes	No	Verified	5313.11 FT
8	Other Well (b)	Other Well	37.695	-122.880	Yes	No	Verified	291283.69 FT

Note: only the closest 100 receptors are displayed

Backup Report

SAP Number:	135786	Latitude:	37.700
Region:	Western	Longitude:	-121.872
Street:	6750 SANTA RITA ROAD	Lat. / Long. Field Verified:	Yes
City:	PLEASANTON	Environmentally Active:	Yes
Country:	USA	Land Use:	
State:	CA	PEC:	DELTA ENVIRONMENTAL
Zip:	94588	EE:	Brown
Lat. / Long. Field Verification Reference:		FV-1	
Investment Site:		Yes	

All Receptors:

Distance	Direction	Receptor Type	Well Name / ID	OI	OV	FV	Reference	Notes
1742	SW	Drinking Water Well - Private NOT Single Family Residence	3S/1E 5J3	Yes	No	Attempted Field Verified	OI-1,OI-5,OI-6,FV-1	
2112	SW	Other Well		Yes	No	Attempted Field Verified	OI-1, OI-5, OI-6, FV-1	
1690	W	Other Well		Yes	No	Attempted Field Verified	OI-1, OI-5, OI-6, FV-1	
3221	W	Other Well		Yes	No	Attempted Field Verified	OI-1, OI-5, OI-6, FV-1	
3115	SW	Other Well		Yes	No	Field Verified	OI-1, OI-5, OI-6, FV-1,FV-7,FV-15	
4013	SW	Other Well		Yes	No	Attempted Field Verified	OI-1, OI-5, OI-6, FV-1	
5122	SW	Other Well		Yes	No	Attempted Field Verified	OI-1, OI-5, OI-6, FV-1	
3485	SE	Other Well		Yes	No	Attempted Field Verified	OI-1, OI-5, OI-6, FV-1	
3010	SE	Other Well		Yes	No	Attempted Field Verified	OI-1, OI-5, OI-6, FV-1	
3259	SE	Drinking Water Well - Public/Municipal	Stoneridge Well 01	Yes	No	Field Verified	OI-1,OI-2,OI-4,OI-7,FV-1,FV-15	DL135786
4224	SW	Drinking Water Well - Private NOT Single Family Residence	03S/01E-08H03 M	Yes	No	Attempted Field Verified	DL135786,OI-1,OI-2,OI-4,OI-7,FV-1	
4330	SW	Drinking Water Well - Private NOT Single Family Residence	03S/01E-08H02 M	Yes	No	Attempted Field Verified	DL135786, OI-1, OI-2, OI-7,FV-1	
4330	SW	Drinking Water Well - Private NOT Single Family Residence	03S/01E-08H04 M	Yes	No	Attempted Field Verified	DL135786, OI-1, OI-2, OI-7,FV-1	
5313	SW	Drinking Water Well - Public/Municipal	03S/01E-09M03 M	Yes	No	Field Verified	DL135786, OI-1, OI-2,FV-1,FV-12,FV-15	
4532	SW	Drinking Water Well - Public/Municipal	03S/01E-09M02 M	Yes	No	Attempted Field Verified	OI-1,OI-2,FV-1	DL135786
2022	W	Other [internal only]		Yes	No	Field Verified	DL135786,OI-1,OI-2,OI-3,FV-3,FV-15	
2495	SW	Other [internal only]		Yes	No	Field Verified	DL135786,OI-1,OI-2,OI-3,FV-1,FV-5,FV-15	
3397	SW	Other [internal only]		Yes	No	Field Verified	OI-1,OI-2,OI-3,FV-1,FV-6,FV-	
1003	E	Daycare		Yes	No	Attempted Field Verified	DL135786, OI-1	
3802	SE	Surface Water Body		Yes	No	Attempted Field Verified	DL135786, OI-1, FV-1	

Distance	Direction	Receptor Type	Well Name / ID	OI	OV	FV	Reference	Notes
3749	SE	Surface Water Body		Yes	No	Attempted Field Verified	DL135786, OI-1, FV-1	
2023	W	Surface Water Body		Yes	No	Field Verified	DL135786, OI-1, FV-1,FV-4,FV-15	
2725	SE	Surface Water Body		Yes	No	Field Verified	DL135786,OI-1,FV-1,FV-8,FV-	
3696	SE	Surface Water Body		Yes	No	Attempted Field Verified	DL135786, OI-1, FV-1	
1734	E	Surface Water Body		No	No	Field Verified	FV-1,FV9,FV-15	

Receptor Type: Drinking Water Well - Private NOT Single Family Residence
Name: 3S/1E 5J3
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 1742
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1,OI-5,OI-6,FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 3S/1E 5J3 Permit Number:
Status: Unknown
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth: 160
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: 3S/1E 5J7
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 2112
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-5, OI-6, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: 3S/1E 5J10
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: W Distance: 1690
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-5, OI-6, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: Other Well (a)
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: W Distance: 3221
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-5, OI-6, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: Other Well (b)
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 3115
Elevation: 354 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.695 Longitude: -122.880
Lat/Long Verification: Field Verified
Lat/Long Error: 19
Reference Information: OI-1, OI-5, OI-6, FV-1,FV-7,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: Other Well (c)
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 4013
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-5, OI-6, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: Other Well (d)
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 5122
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-5, OI-6, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: Other Well (e)
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SE Distance: 3485
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-5, OI-6, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other Well
Name: Other Well (f)
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SE Distance: 3010
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-5, OI-6, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Stoneridge Well 01
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SE Distance: 3259
Elevation: 305 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.692 Longitude: -121.867
Lat/Long Verification: Field Verified
Lat/Long Error: 16
Reference Information: OI-1,OI-2,OI-4,OI-7,FV-1,FV-15
Notes: DL135786

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Stoneridge Well 01 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Private NOT Single Family Residence
Name: Well 02-03S/01E-08H03 M
Address:
City: Dublin State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 4224
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: 37.6887603 Longitude: -121.8786779
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL135786,OI-1,OI-2,OI-4,OI-7,FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 03S/01E-08H03 M Permit Number:
Status: Unknown
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Private NOT Single Family Residence
Name: Well 01-03S/01E-08H02 M
Address:
City: Dublin State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 4330
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: 37.6889802 Longitude: -121.8787879
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL135786, OI-1, OI-2, OI-7,FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 03S/01E-08H02 M Permit Number:
Status: Unknown
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Private NOT Single Family Residence
Name: Well 03-03S/01E-08H04 M
Address:
City: Dublin State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 4330
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL135786, OI-1, OI-2, OI-7,FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 03S/01E-08H04 M Permit Number:
Status: Unknown
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Mocho Well 02-03S/01E-09M03 M
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 5313
Elevation: 335 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.686 Longitude: -121.877
Lat/Long Verification: Field Verified
Lat/Long Error: 17
Reference Information: DL135786, OI-1, OI-2,FV-1,FV-12,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 03S/01E-09M03 M Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Mocho Well 01-03S/01E-09M02 M
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 4532
Elevation: Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification: Field Verified
Lat/Long Error:
Reference Information: OI-1,OI-2,FV-1
Notes: DL135786

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 03S/01E-09M02 M Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other [internal only]
Name: Avis Rent-A-Car System Inc (LUFT)
Address: 3956 Old Santa Rita Road
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: W Distance: 2022
Elevation: 363 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.700 Longitude: -121.879
Lat/Long Verification: Field Verified
Lat/Long Error: 19
Reference Information: DL135786,OI-1,OI-2,OI-3,FV-3,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other [internal only]
Name: East Bay BMW (LUFT)
Address: 3830 Old Santa Rita Road
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 2495
Elevation: 311 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.696 Longitude: -121.879
Lat/Long Verification: Field Verified
Lat/Long Error: 23
Reference Information: DL135786,OI-1,OI-2,OI-3,FV-1,FV-5,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Other [internal only]
Name: Exxon (LUFT)
Address: 3192 Santa Rita Road
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SW Distance: 3397
Elevation: 332 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.692 Longitude: -121.878
Lat/Long Verification: Field Verified
Lat/Long Error: 19
Reference Information: OI-1,OI-2,OI-3,FV-1,FV-6,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Daycare
Name: Kinder Care Learning Center
Address: 3760 Brockton Drive
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: E Distance: 1003
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL135786, OI-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Surface Water Body
Name: Meadows Park Lake? (2)
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SE Distance: 3802
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL135786, OI-1, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Surface Water Body
Name: Meadows Park Lake?
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SE Distance: 3749
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL135786, OI-1, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Surface Water Body
Name: Tassajara Creek
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: W Distance: 2023
Elevation: 341 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.700 Longitude: -121.879
Lat/Long Verification: Field Verified
Lat/Long Error: 16
Reference Information: DL135786, OI-1, FV-1,FV-4,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Surface Water Body
Name: Arroyo Mocho Canal
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SE Distance: 2725
Elevation: 339 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.695 Longitude: -121.865
Lat/Long Verification: Field Verified
Lat/Long Error: 15
Reference Information: DL135786,OI-1,FV-1,FV-8,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Surface Water Body
Name: Arroyo Las Positas
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: SE Distance: 3696
Elevation: Datum:
Survey Date: 08/02/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL135786, OI-1, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:

Aquifer 1 Name:	Aquifer 1 Top:	Aquifer 1 Bottom:
Aquifer 2 Name:	Aquifer 2 Top:	Aquifer 2 Bottom:
Aquifer 3 Name:	Aquifer 3 Top:	Aquifer 3 Bottom:
Aquifer 4 Name:	Aquifer 4 Top:	Aquifer 4 Bottom:
Aquifer 5 Name:	Aquifer 5 Top:	Aquifer 5 Bottom:
Aquifer 6 Name:	Aquifer 6 Top:	Aquifer 6 Bottom:

% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Surface Water Body
Name: Drainage Canal
Address:
City: Pleasanton State: California
Zip: Phone:
Contact Name:
Direction: E Distance: 1734
Elevation: 398 Datum: WGS 84
Survey Date: 08/02/2005 Photo Number:
Office Identified: No Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.700 Longitude: -121.866
Lat/Long Verification: Field Verified
Lat/Long Error: 22
Reference Information: FV-1,FV9,FV-15
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

All Interviews:

Reference	Interviewee Name	Interviewee Organization	Interview Date
	Wyman Hong	Zone 7 Water Agency	5/10/05

Reference:
Interviewer Name: Rebecca Wolff
Interviewee Name: Wyman Hong
Interviewee Title:
Interviewee Organization: Zone 7 Water Agency
Interviewee Phone:
Interview Date: 5/10/05
Interview Time:
Attachments:
Interview Description:

References:
DL135786.doc
DL135786.doc
FV-04 Tassajara Creek.JPG
FV-05 LUFT BMW.JPG
FV-06 LUFT Valero.JPG
FV-07 Domestic Well.JPG
FV-08 Arroyo Mocho Canal.JPG
FV-09 Drainage Canal.JPG
FV-1_site verification pages 6750 Santa Rita Road, Pleasanton, CA.pdf
FV-12 Mocho Well 02.JPG
FV-15_field verified map (6750 Santa Rita Road) Pleasanton, CA.pdf
OI-1_Prefield Map (6750 Santa Rita Road) Pleasanton, CA.pdf
OI-2_geotracker 6750 Santa Rita Road, Pleasanton, CA.pdf
OI-3_LUFT Site map 6750 Santa Rita Road, Pleasanton, CA.pdf
OI-4_SRS Well Survey Map 6750 Santa Rita Road, Pleasanton, CA.pdf
OI-5 6750 Santa Rita Rd - Zone 7 Well Map.pdf
OI-6 6750 Santa Rita Rd - Zone 7 Well Search.xls

[All References]

DL135786.doc
DL135786.doc
FV-04 Tassajara Creek.JPG
FV-05 LUFT BMW.JPG
FV-06 LUFT Valero.JPG
FV-07 Domestic Well.JPG
FV-08 Arroyo Mocho Canal.JPG
FV-09 Drainage Canal.JPG
FV-1_site verification pages 6750 Santa Rita Road, Pleasanton, CA.pdf
FV-12 Mocho Well 02.JPG
FV-15_field verified map (6750 Santa Rita Road) Pleasanton, CA.pdf
OI-1_Prefield Map (6750 Santa Rita Road) Pleasanton, CA.pdf
OI-2_geotracker 6750 Santa Rita Road, Pleasanton, CA.pdf
OI-3_LUFT Site map 6750 Santa Rita Road, Pleasanton, CA.pdf
OI-4_SRS Well Survey Map 6750 Santa Rita Road, Pleasanton, CA.pdf
OI-5 6750 Santa Rita Rd - Zone 7 Well Map.pdf
OI-6 6750 Santa Rita Rd - Zone 7 Well Search.xls

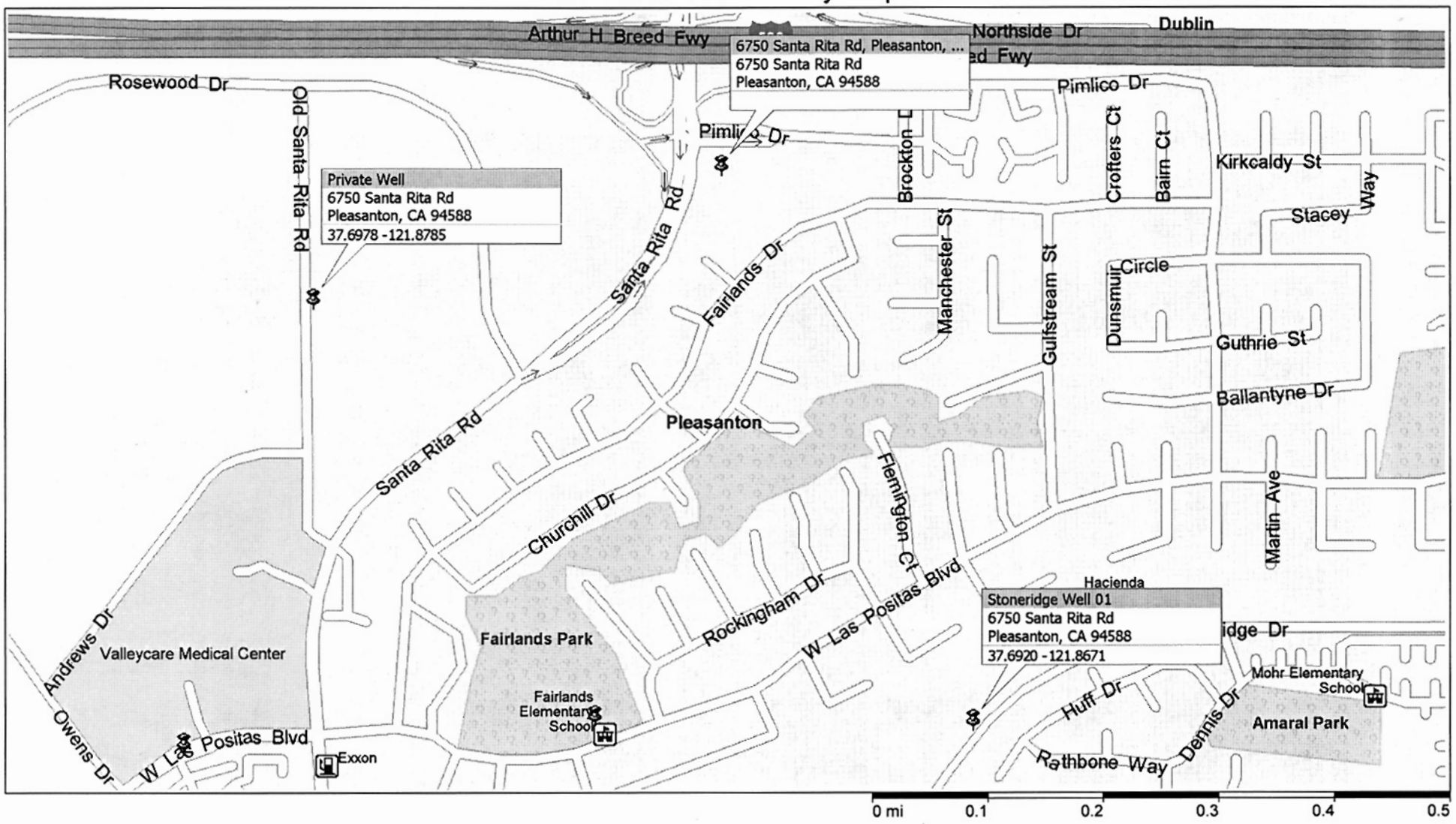
[Contacts]

[All Receptors]

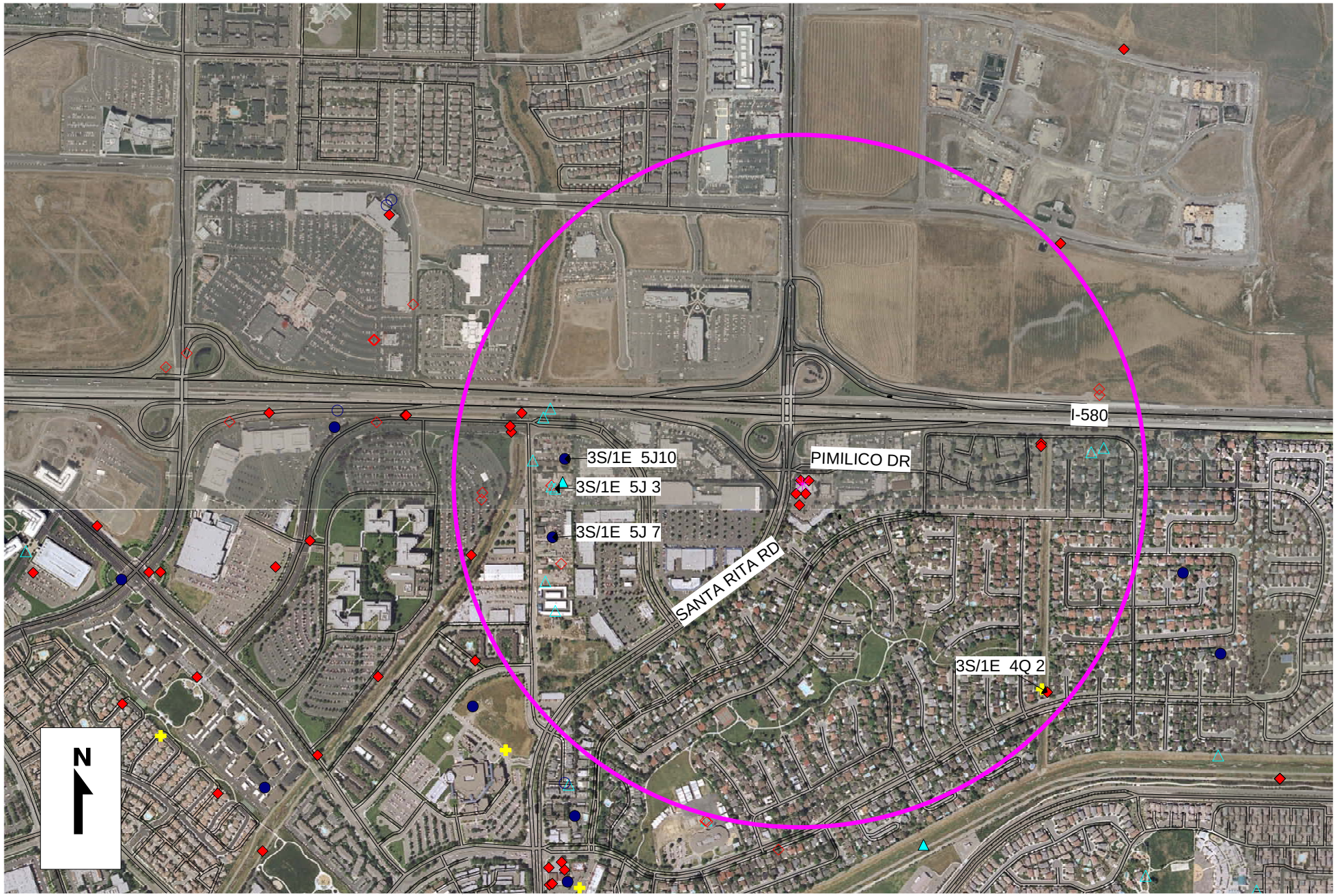
[Deliverables]

GSRE_Report_135786__1134032886645.xls
SRS_Form_Report_135786__1134032887129.pdf
SRS_Spreadsheet_Report_135786_1134032887848.xls

OI-4 SRS Well Survey Map



OI-4



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY
LIVERMORE, CA 94551

WELL LOCATION MAP

SCALE: 1"= 1000'

RADIUS = 1/2 mi

6750 SANTA RITA RD
H:\FLOOD\REFERALLS\REFERALLS.WOR